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B & T REINFORCEMENT

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B & T REINFORCEMENT



April, 1922.

Reinforced Concrete Materials Dept. :

BROWN & TAWSE, LIMITED
3, LONDON WALL BUILDINGS
LONDON, E.C.2

Telegrams :
"HEXAMETER, AVE, LONDON."

Telephone :
LONDON WALL, 6240 (3 lines).

Agencies :

London and South Eastern Counties—

PARKER & FRENCH,
Golden House, Gt. Pulteney Street, W.

Lancashire, Cheshire and North Wales—

MILLER ROBERTS & CO.,
9, Harrington Street, Liverpool.

Shropshire—

WEARNE & CARTWRIGHT,
Central Bld'gs, Pride Hill, Shrewsbury.

Northumberland, Durham and Yorkshire—

The IMPROVED ROADS CONSTRUCTIONS, Ltd.,
20, Saville Row, Newcastle-on-Tyne.

Warwick, Worcester and Stafford—

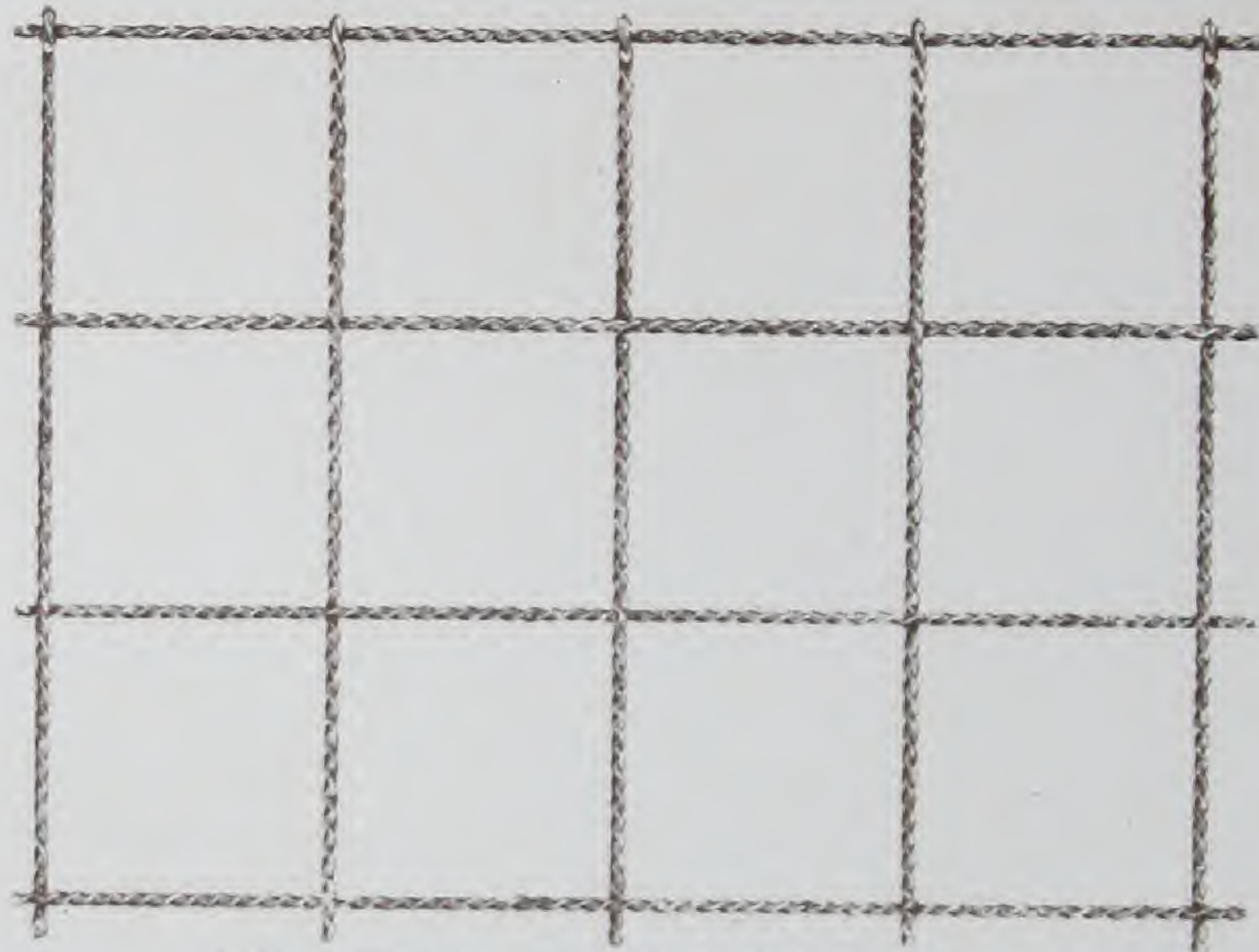
J. & E. SWANNE LTD.,
36, Paradise Street, Birmingham.

Cumberland and Westmorland—

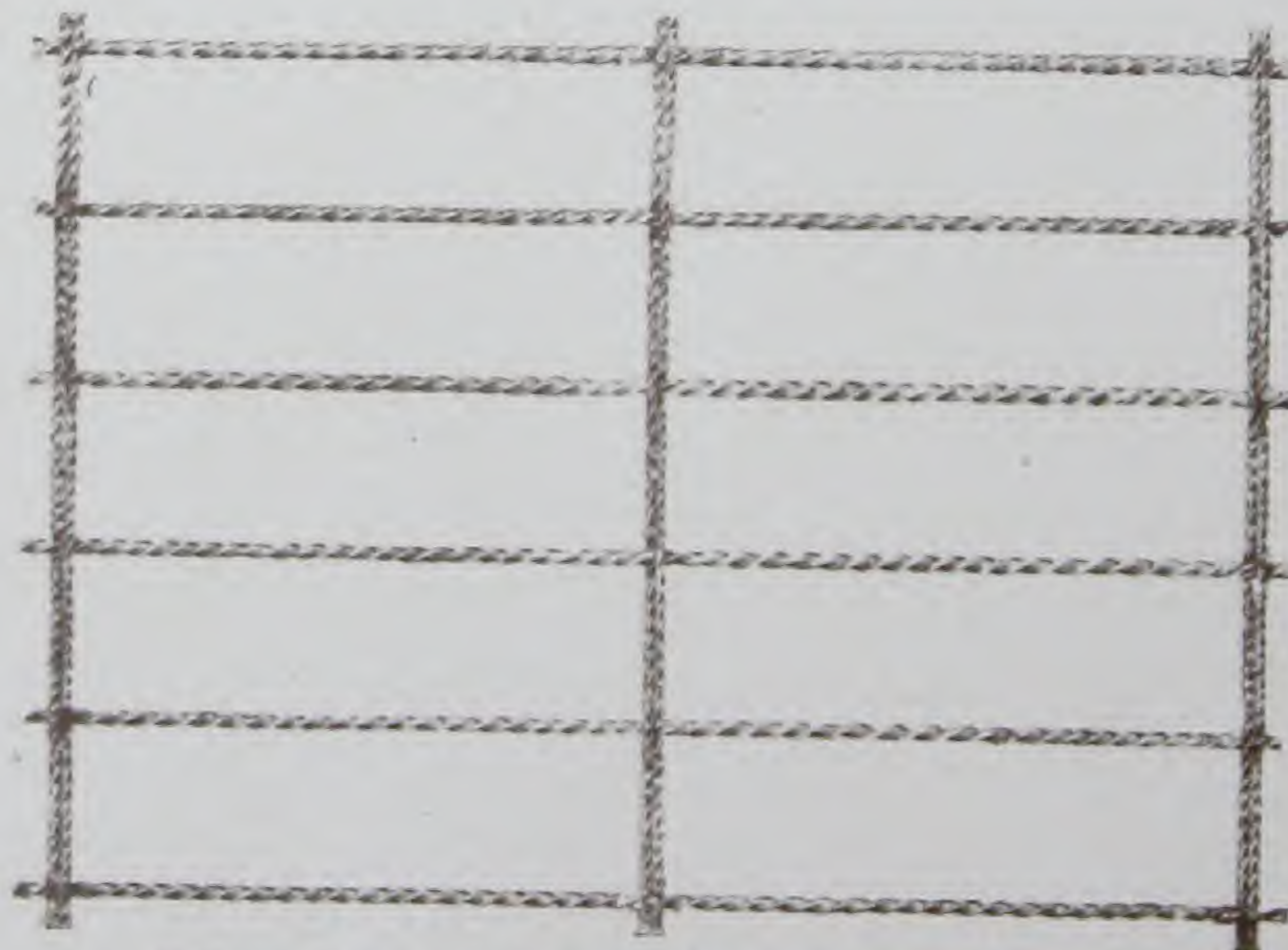
The BORDER ENGINEERING CO., Ltd.,
Natproban Chambers, Carlisle.

WORKS & STOCKYARDS : SOUTHAMPTON and LONDON, E.

B&T



"B & T" Square Mesh Reinforcement.



"B & T" Longitudinal Mesh Reinforcement.



Single "B & T" Twisted Wire.

IN this Catalogue of "B. & T." Mesh Reinforcement, we have included certain Tables and information which we hope will be of service to Engineers, Architects and Designers of Reinforced Concrete structures. These tables are the result of careful study by our Engineering Staff, and by some of the best known specialists in Reinforced Concrete work.

"B. & T." Reinforcement is manufactured from square twisted wires, the cross wires being interwoven with the longitudinal wires or tension members in such a way that the latter are held in position by the natural lock created by the twisting of the material.

It goes without saying that by employing a Mesh Reinforcement where every wire is firmly held in position, there is less chance of the individual wires being wrongly placed during the embedding process than when each wire has to be embedded separately.

B&T



SHIRLEY BAKERY, SOUTHAMPTON.
Reinforced with "B. & T."



BREWERY YARD, GUILDFORD.
Durax Paving on "B. & T" Reinforced Concrete Foundation.

The cost of laying a Mesh Reinforcement is much lower than in the case of the same reinforcement put in wire by wire separately. The cost of inspection is also distinctly lower.

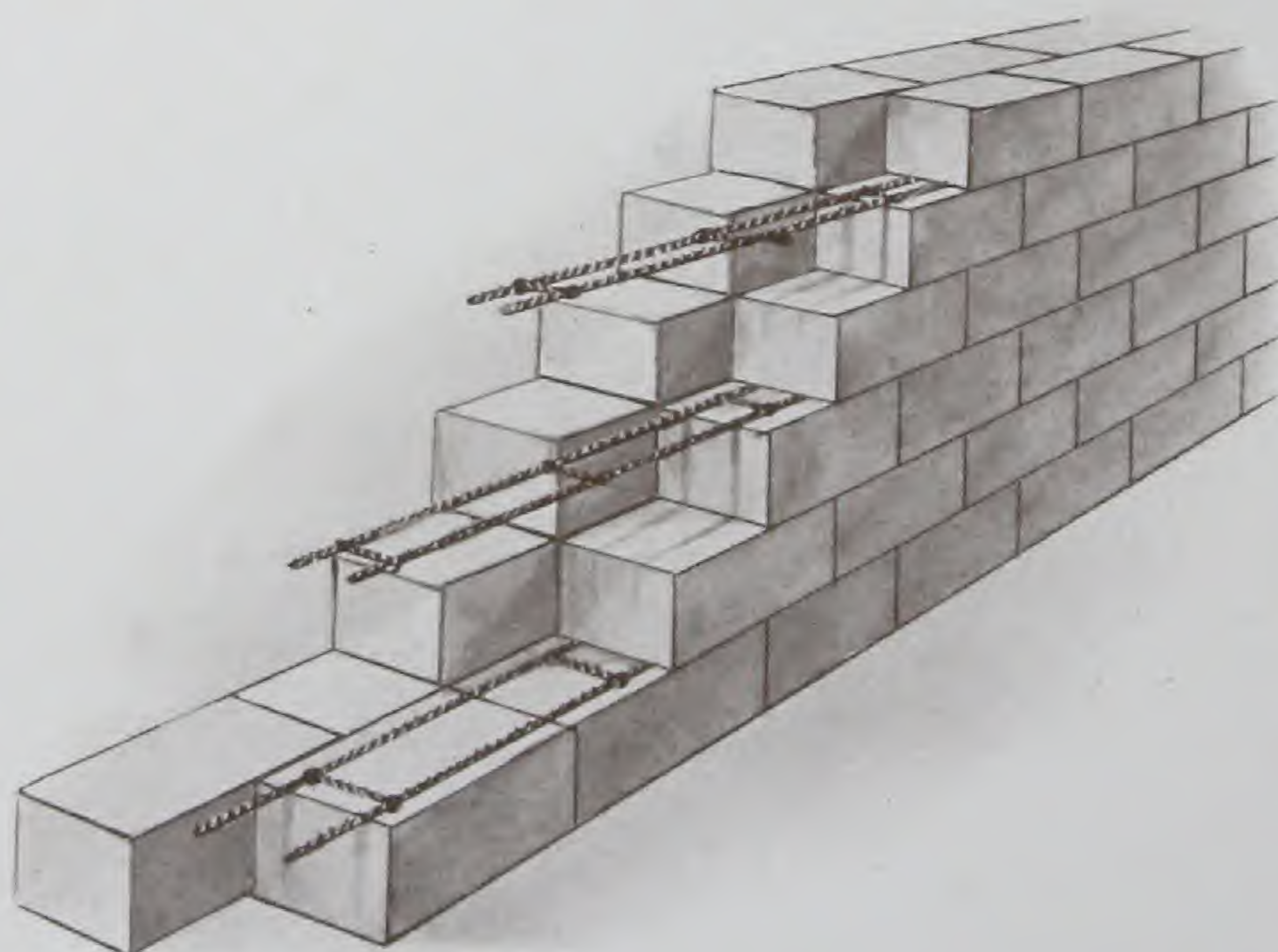
“B. & T.” Mesh is unequalled by reason of its bonding properties (apart from the adhesive bond), and the natural rigidity and high tensile strength of the material.

We have no hesitation in claiming that this mesh is the most economical and efficient for all forms of concrete structures in which such a form of reinforcement may be used.

“B. & T.” Mesh Reinforcement is stocked in flat sheets, 20 ft. \times 5 ft. and 20 ft. \times 6 ft., but can be made in any length or width required. A substantial margin is allowed on each sheet for overlapping, but not charged for.

See pages 22-23 for list of “B & T” Reinforcements.

B&T





B&T

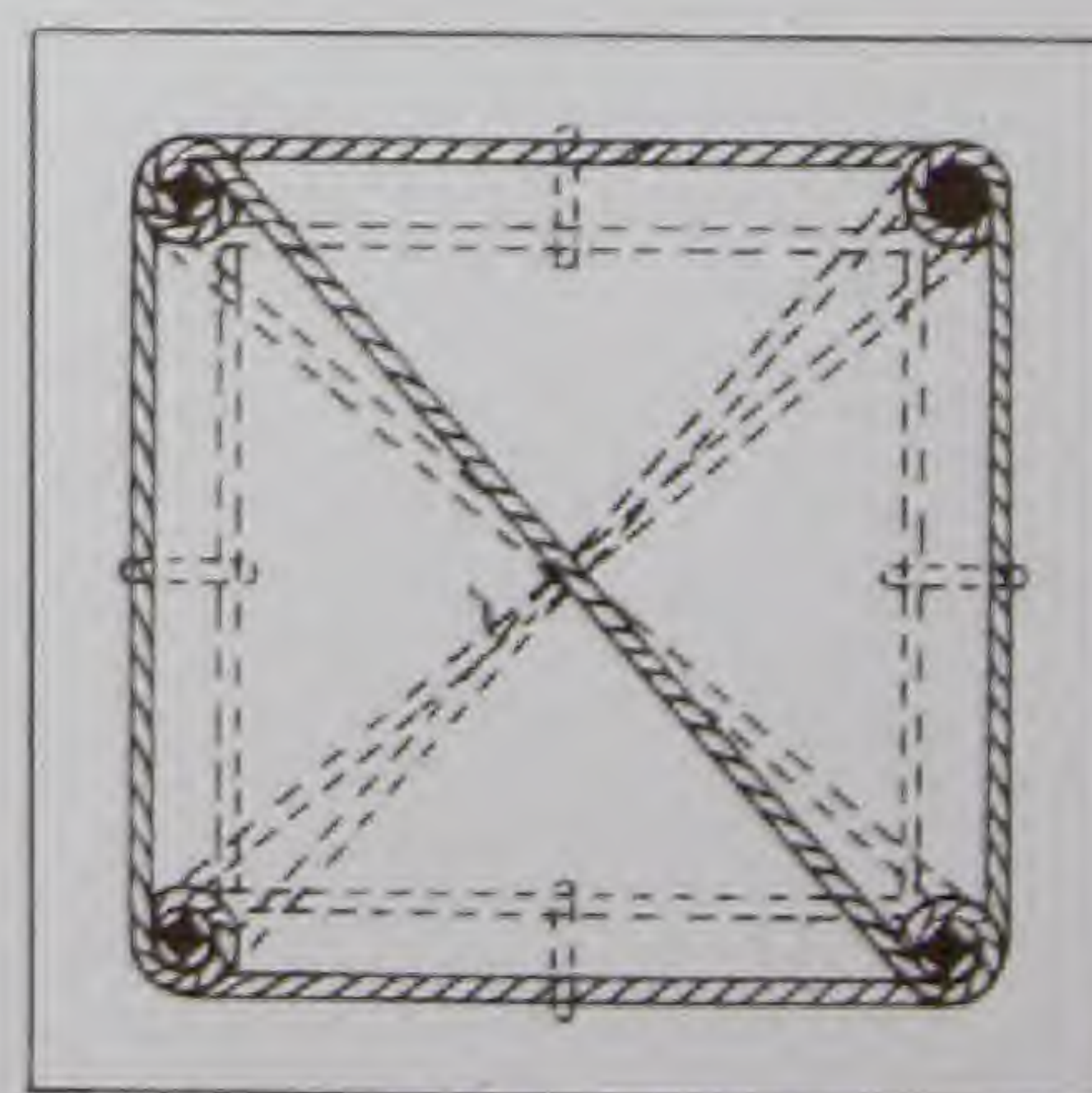
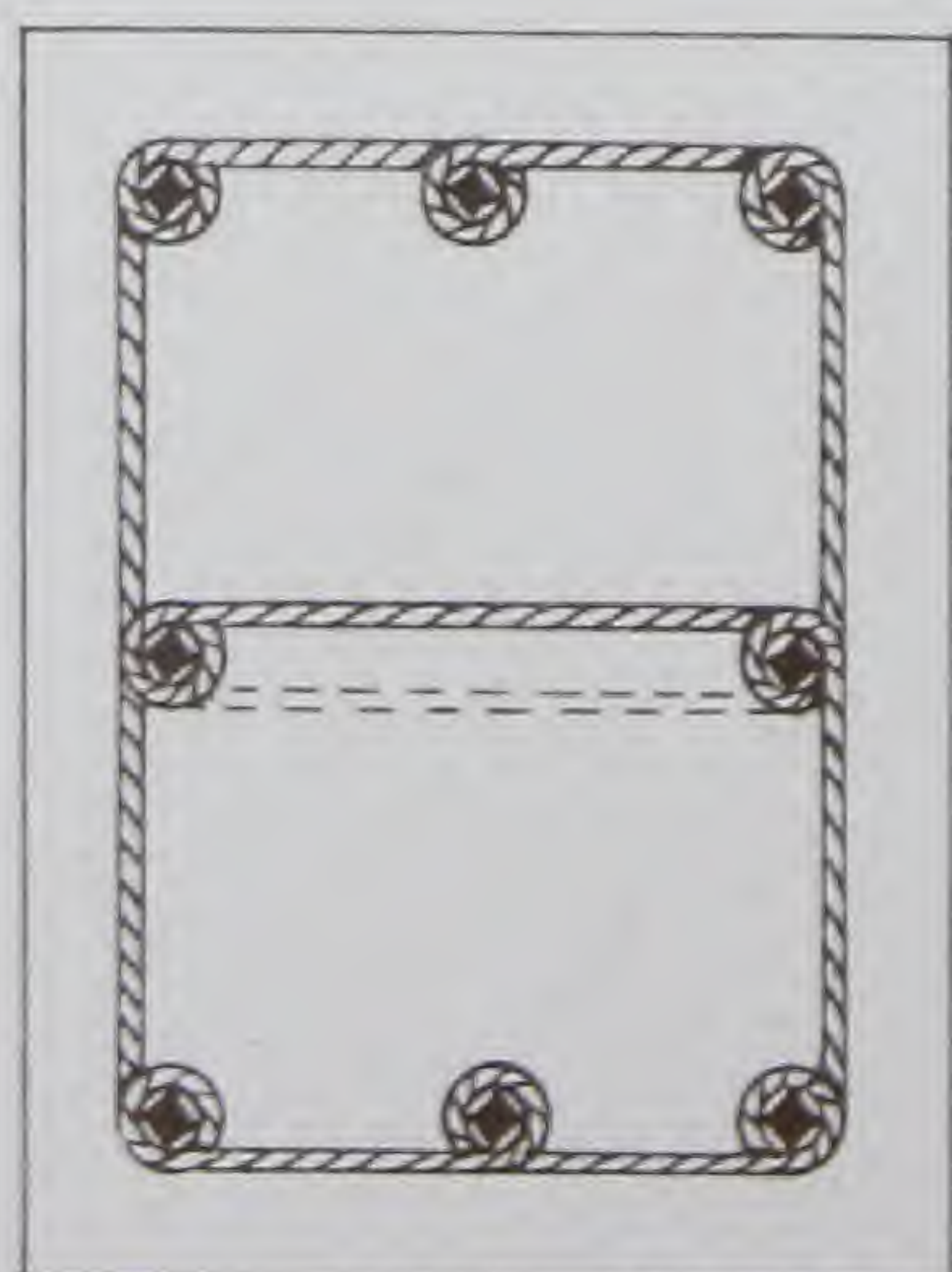
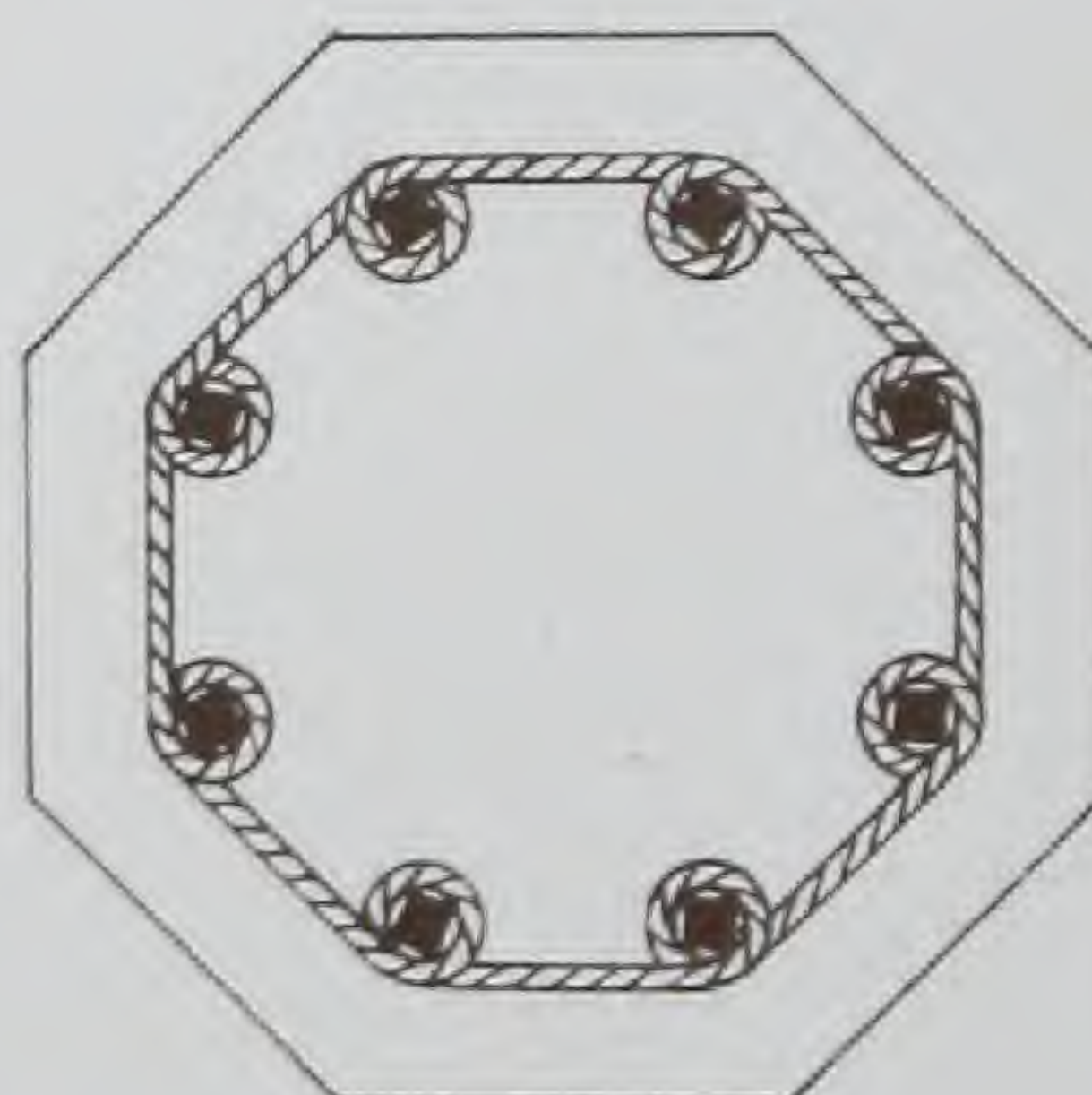
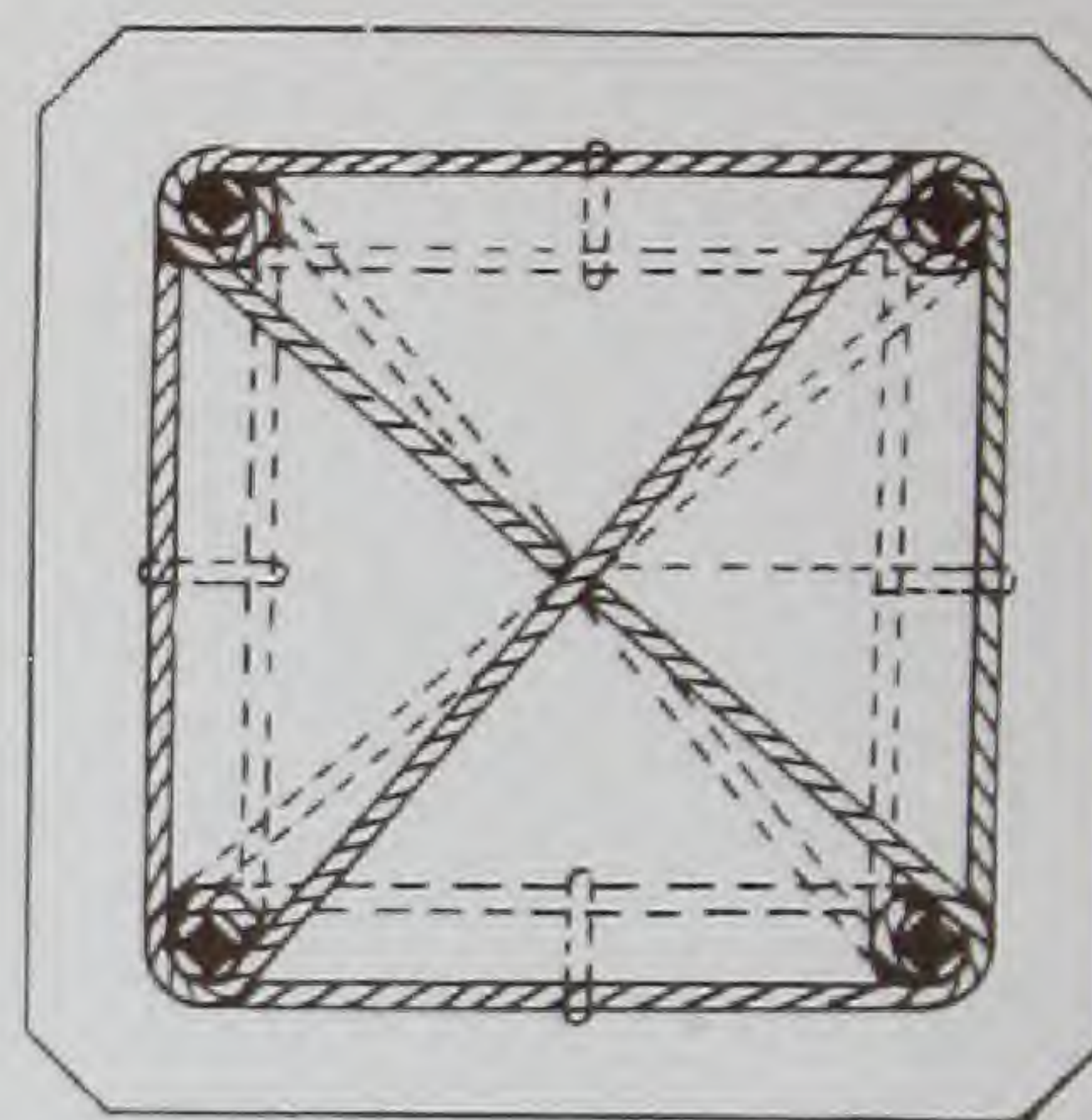
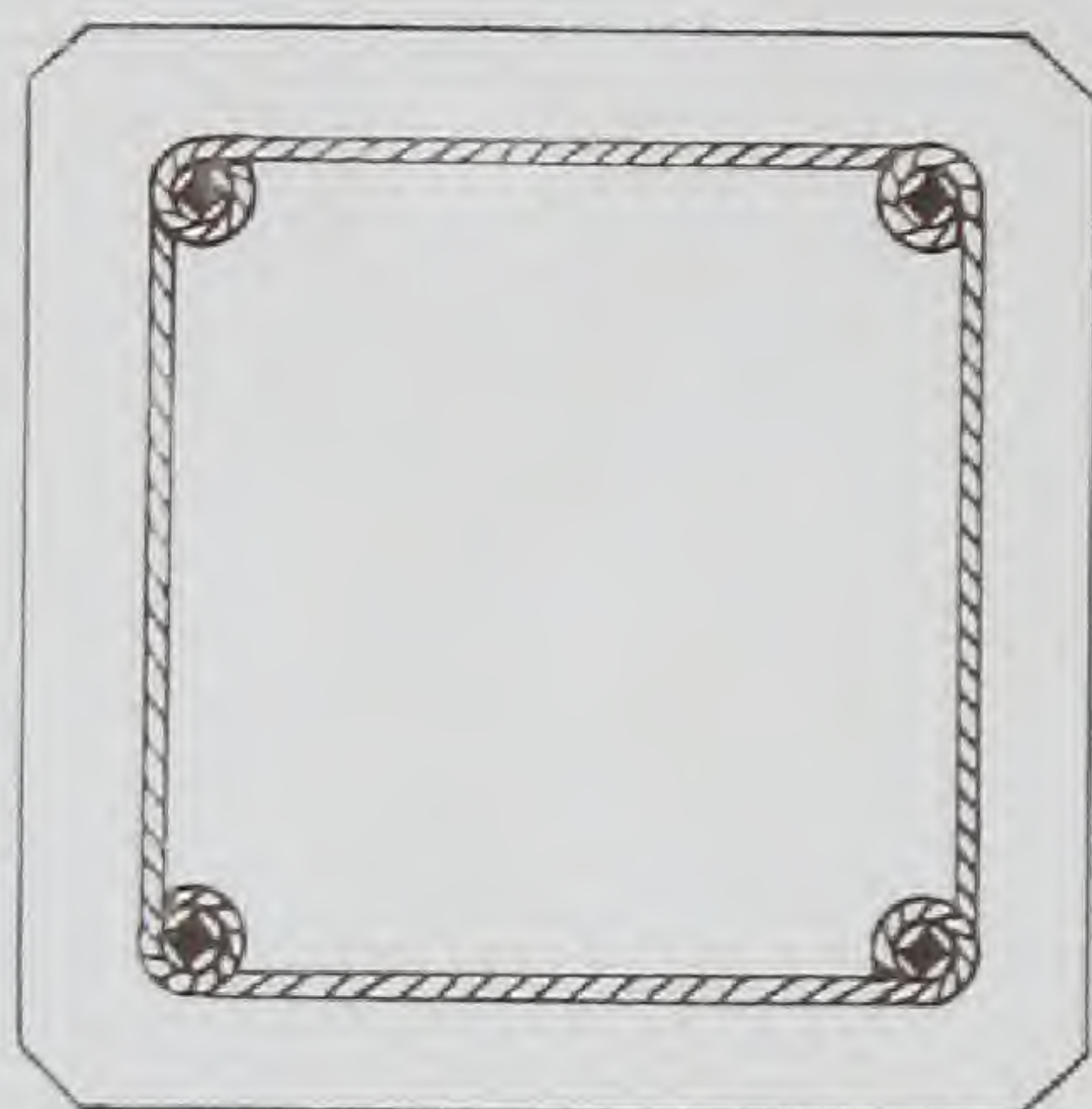
“B & T” BRIX REINFORCEMENT

OUR Twisted Wire material is also made up in widths of $2\frac{1}{2}$ in. to 7 in. for reinforcing brickwork. Here again the bonding properties of the Twisted Wire make it the most efficient and economical reinforcement that could be applied for this purpose.

This material is made up in rolls of from 20 to 100 yards, and can also be supplied in flat sheets of 10 to 30 ft. in length.

See pages 22-23 for list of “B & T” Reinforcements

B&T



“B & T” STIRRUPS AND LINKS

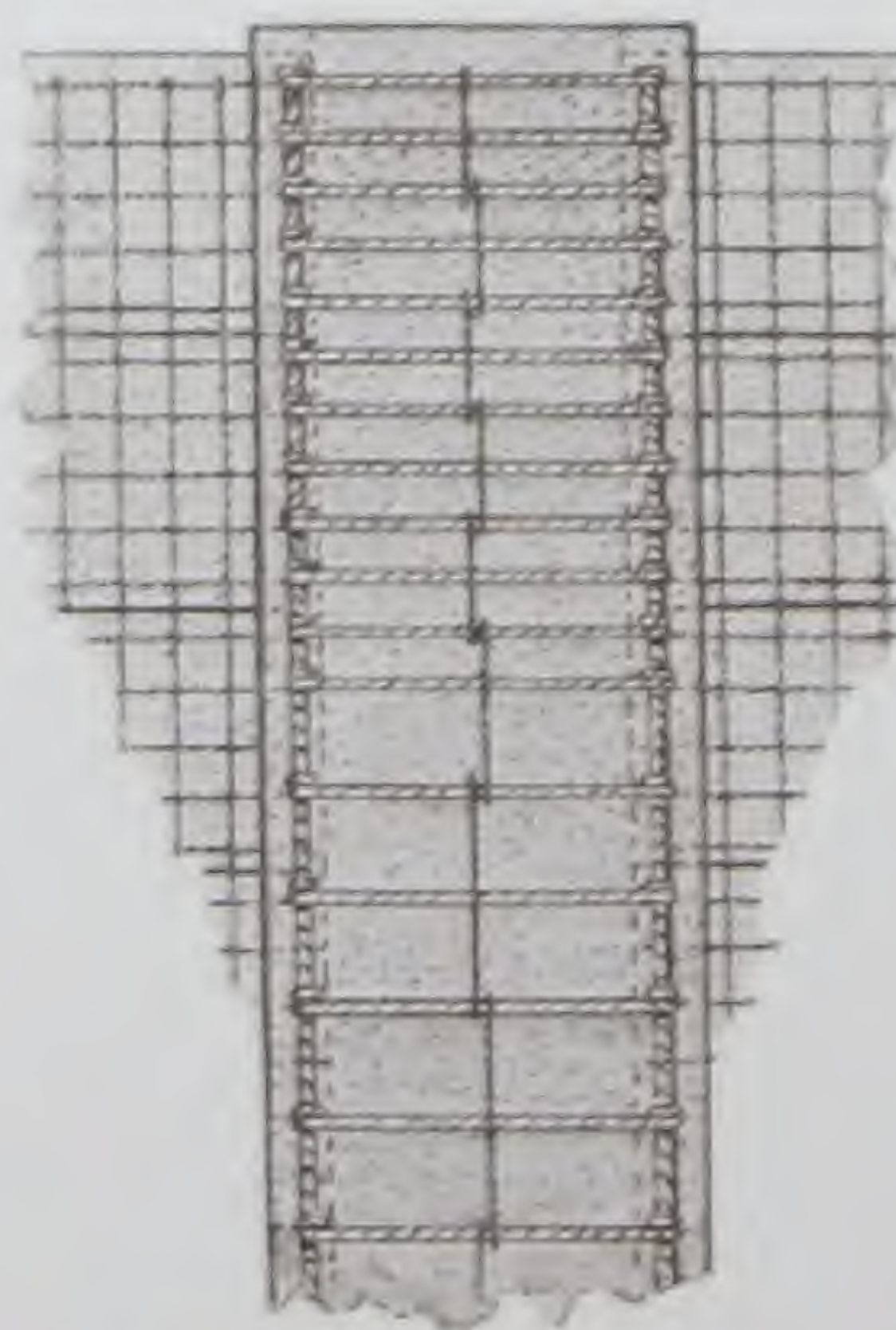
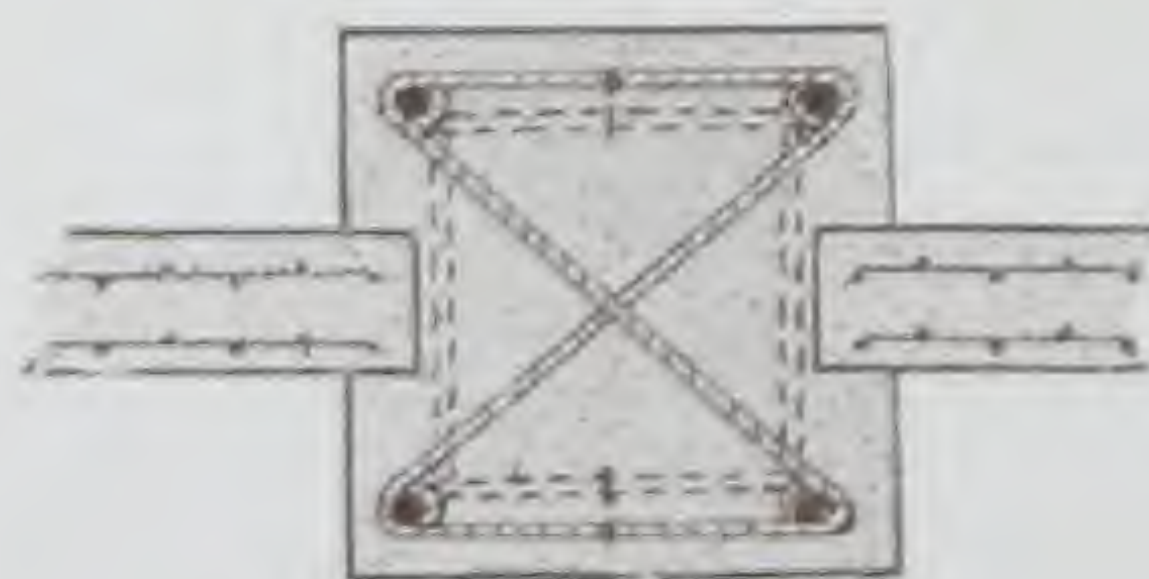
HITHERTO it has been customary to employ plain MILD STEEL RODS, 3-16ths in. to $\frac{3}{8}$ in. diam. for stirrups, R.C. Beams and Links in R.C. Piles and Columns, but it will be found that cold twisted wire or rods having high tensile resistance and a continuous spiral bond are far more efficient for this purpose. We can supply any form of stirrups or links ready for fixing, according to customers' requirements.

See pages 22-23 for list of “B & T” Reinforcements.

B&T



A few "B & T" Pile Frames ready for Concreting at Southampton.



"B & T" Sheet Piling.



"B & T" Pile Frame.

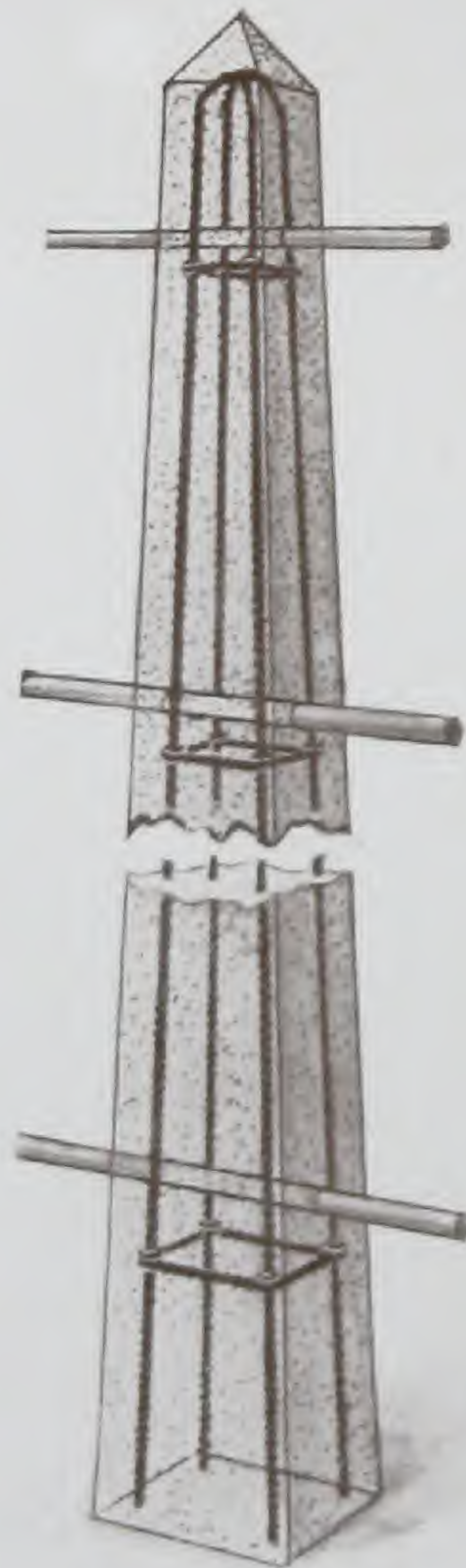
“B & T” PILE FRAMES

WE can undertake the manufacture of Pile Frames, complete with shoe, ready for concreting. The frames can be made up at our Works and delivered to site, or, if in sufficient quantities, we can supply the plain or twisted bars and links to site and provide skilled men to make up the frames on the site ready for concreting.

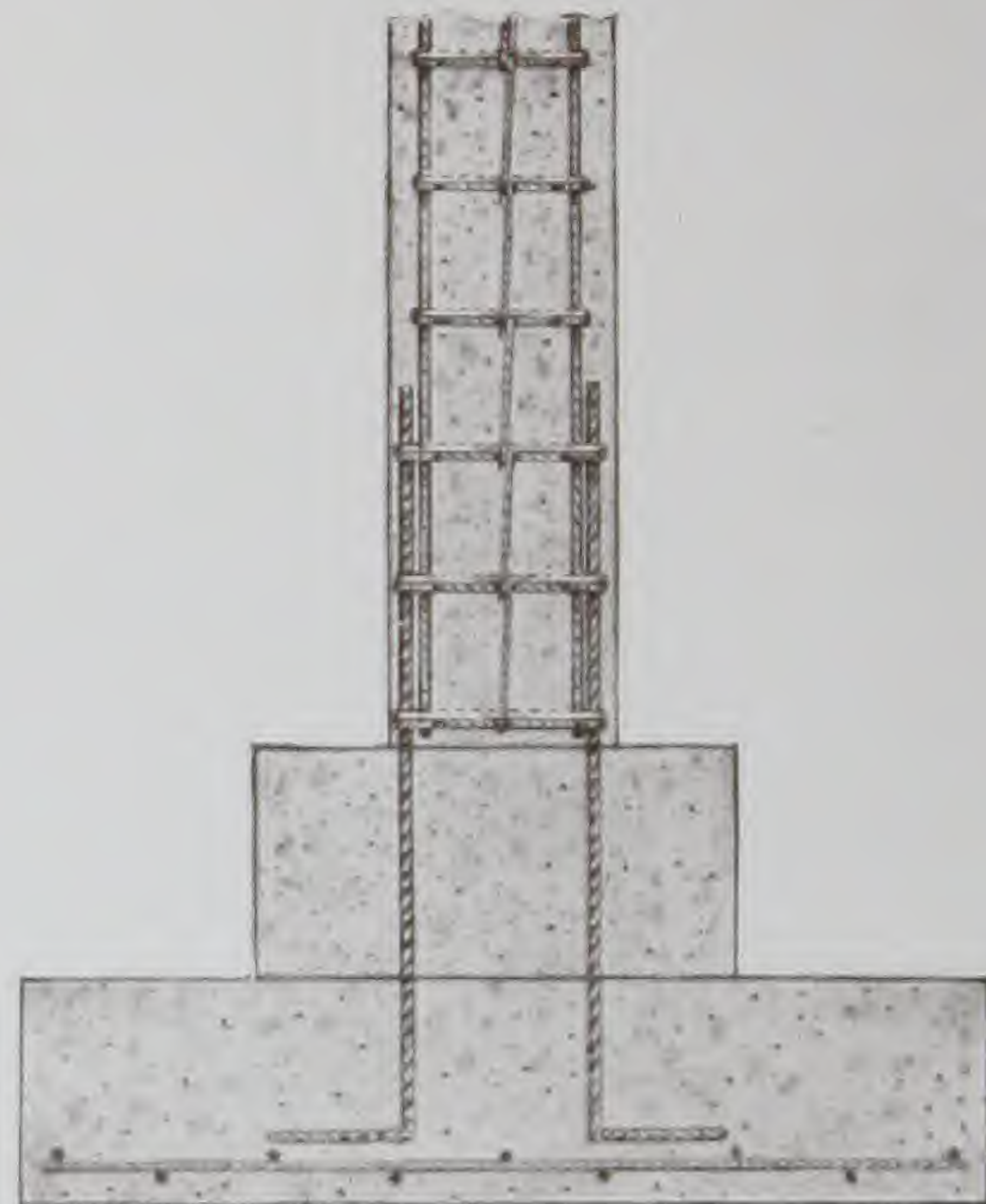
The latter method will be found far more economical and efficient than employing unskilled labour to make up the pile frames. The “B. & T.” Method insures correct placing of the Links without the use of keys, or wedges between the pile bar and the loop of the link.

See pages 22-23 for list of “B & T” Reinforcements.

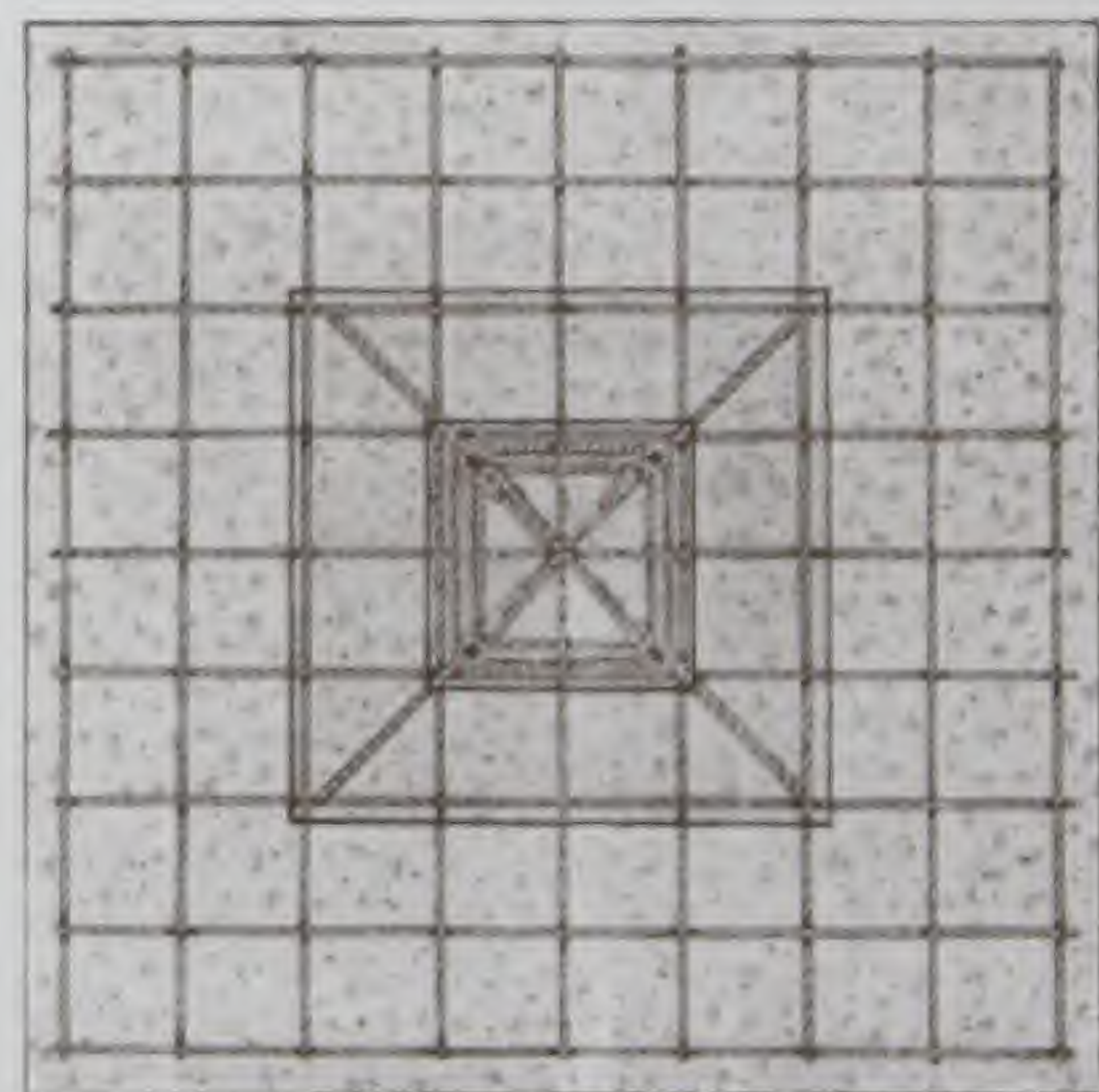
B&T



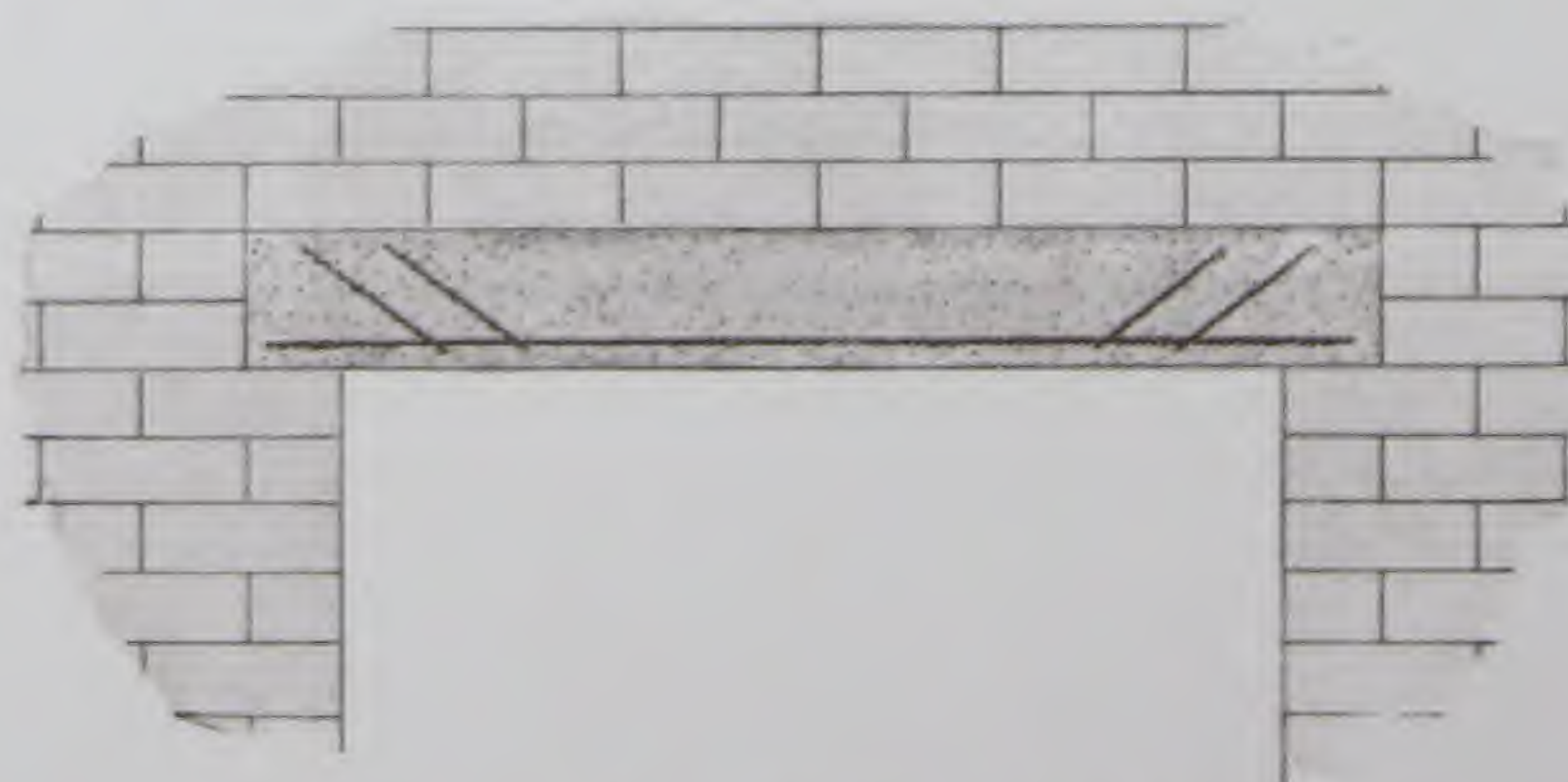
"B & T" Reinforcement
for Fence Post.



Section.



Plan and Foundation
"B & T" Column Reinforcement.



"B & T" Lintel Reinforcement.



REINFORCED CONCRETE POSTS AND LINTELS

WE can supply Cold Twisted Rods from $\frac{1}{8}$ in. to $\frac{3}{8}$ in. diam., cut to required lengths for manufacture of fence posts and lintels.

A considerable saving is effected by their use, 3-16th in. diam. twisted bars being more effective than $\frac{1}{4}$ in. plain round steel bars. Makers of Reinforced Concrete Posts and Lintels state that there is no comparison between plain bars and "B. & T." Twisted Bars. Breakages, which were formerly quite frequent, are entirely avoided by the use of the twisted material.

See pages 22-23 for list of "B & T" Reinforcements.

REINFORCED CONCRETE ROADS

THICKNESS OF CONCRETE.

GENERALLY speaking, concrete of 6 in. thickness is sufficient for all roads for ordinary traffic, but for roads with extra heavy traffic, this should be increased up to 8 in. thick. For side roads, where it is anticipated the traffic will only be of a light nature, the thickness of the concrete could be reduced to 5 in.

RECOMMENDED MESHES—FOR FURTHER PARTICULARS SEE TABLES ON PAGES 22—51.

Kind of Traffic.	Thickness of Concrete.	"B. & T." No.	Weight per Super Yard in lbs.
Very Heavy Traffic	7 to 8 inches	^{7E} 4" × 4" In two layers	11·5
Heavy Traffic	7 to 8 inches	^{7A} 3" × 10" or ^{7E} 4" × 4"	5·35 5·69
Ordinary Traffic	6 inches	^{7A} 3" × 10" or ^{7E} 4" × 4"	5·35 5·69
Light Traffic	5 inches	^{7A} 3" × 10" or ^{7E} 4" × 4"	5·35 5·69

If a square mesh reinforcement is desired having the same weight and strength each way of the road, we recommend our "B. & T." 7e., which has a 4 in. × 4 in. sq. mesh, weighing 5·69 lbs. per sup. yard.

This is the most efficient Road Reinforcement produced, as the tensional resistance on the reinforcement when embedded in the concrete is the same at whatever angle the traffic is moving over the road, the reinforcement being equally distributed.

VERY HEAVY TRAFFIC.

We wish to draw the attention of Road Engineers to the fact that although our Reinforcement has been placed in one layer in many roads, we always recommend two layers, one at the bottom and the other at the top of the slab, to ensure a first-class job, when there is a heavy rolling load to contend with.

Our reasons being, that it is obvious that at the point of contact with the surface the slab tends to sag in a saucer-like depression, causing tension on the underside of the slab, whilst on the rim of this assumed saucer-like depression there is a contra flexure which will cause tension at the top of the slab.

Another advantage of having a layer of Reinforcement in the top of the slab is that the number of cracks that are likely to occur from the extreme range of temperatures, the top surface being the one which is subjected to this, is greatly decreased.

LAYING THE REINFORCEMENT.

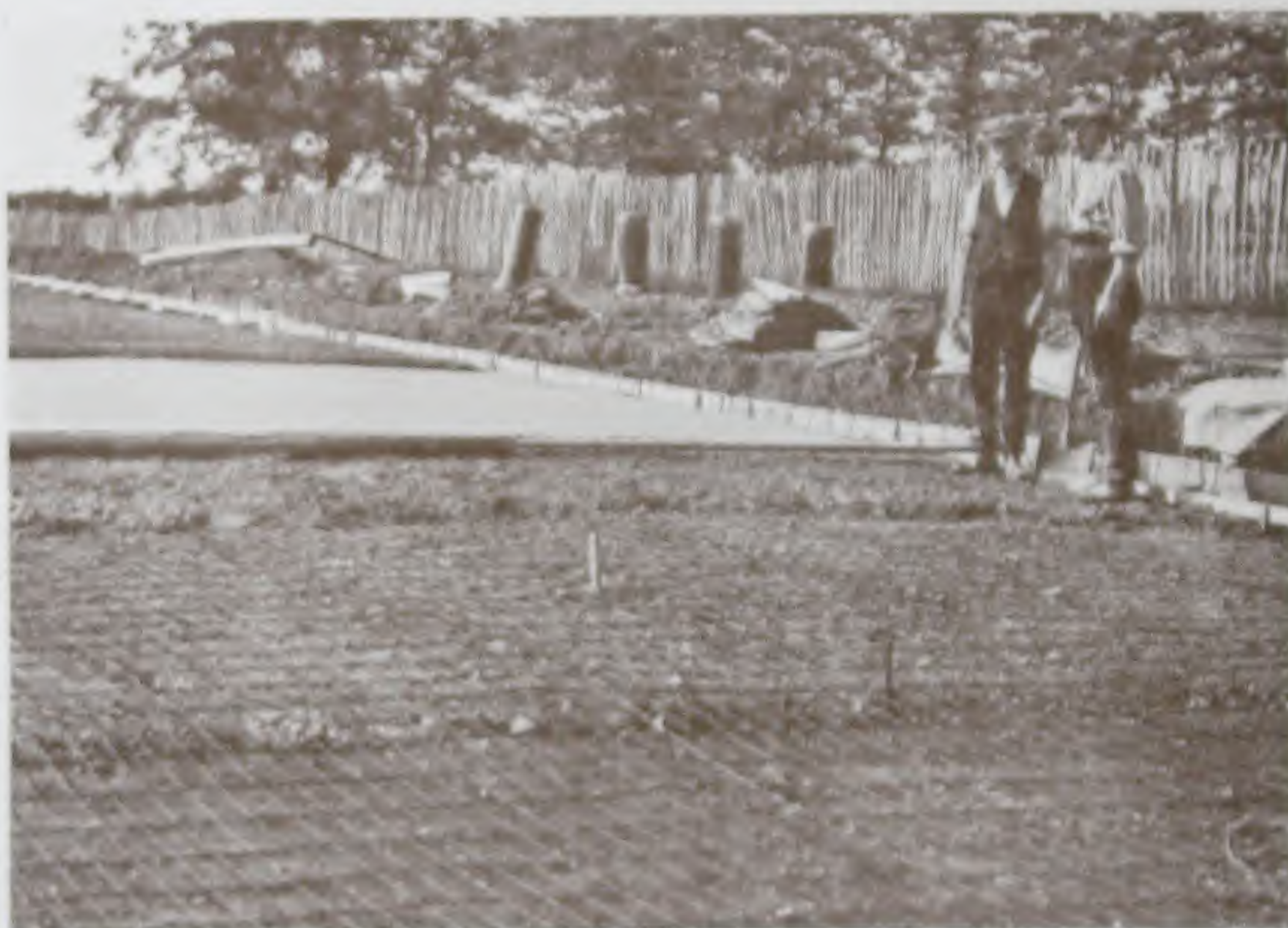
The reinforcement should be placed from $1\frac{1}{2}$ in. to 2 in. from the bottom of the foundations, according to the thickness of the concrete, and should preferably be placed in position before any concrete is laid. This can be done by placing the reinforcement on $1\frac{1}{2}$ in. or 2 in. boards, which can be easily drawn out as the concreting proceeds.

The danger of first laying $1\frac{1}{2}$ in. to 2 in. of concrete, then the reinforcement, and afterwards completing the concreting, is that a partial "set" of the lower layer may have commenced before the top layer is completed, and the slab would not be homogeneous.

CONCRETE.

The aggregate must, in all cases, be quite clean and free from all loamy matter. The mixture recommended is four parts of coarse aggregate, two parts fine aggregate, and one part cement. The coarse aggregate should be 1 in. to $\frac{1}{4}$ in. clean, hard ballast, and the fine aggregate from $\frac{1}{4}$ in. down to fine sand. The top 2 in. of the concrete should be composed of ballast able to pass a $\frac{3}{8}$ in. mesh, and should be laid on the lower part before the latter has commenced to set. Wherever

B&T



A Main Arterial Road reinforced with "B & T" Mesh.

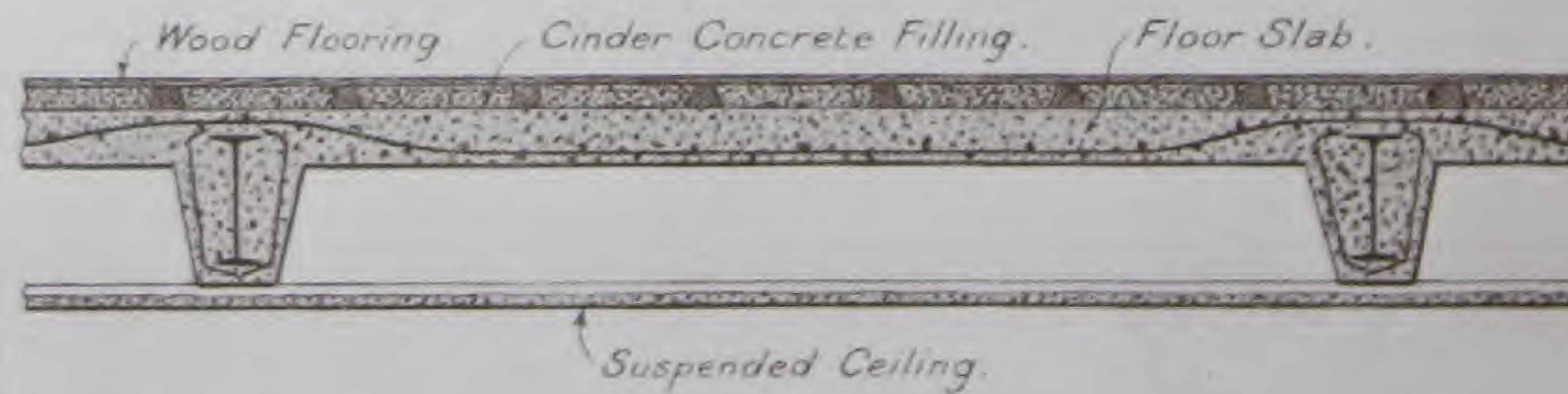
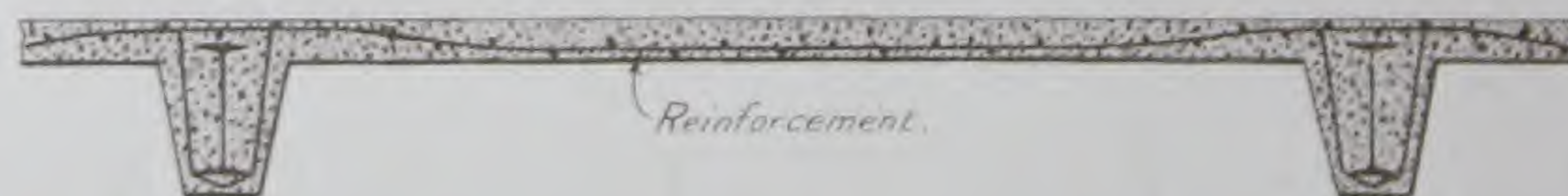
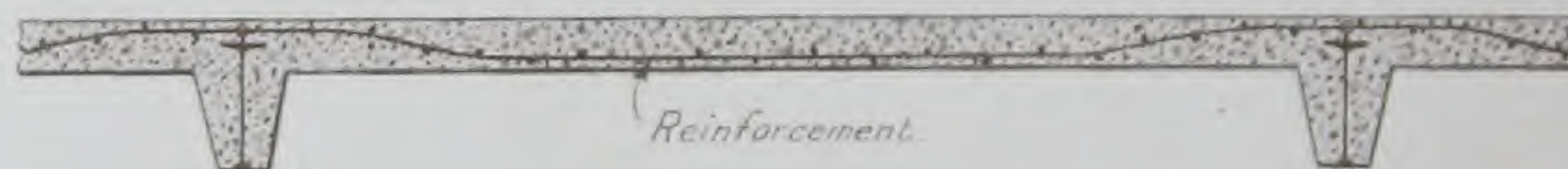
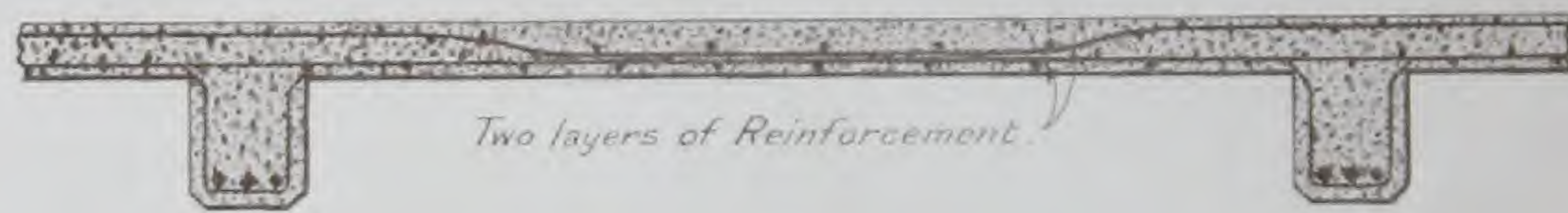
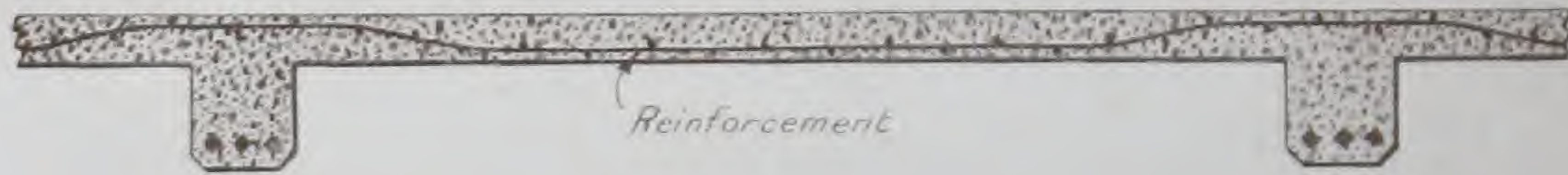
possible, the whole width of the road should be laid at one time, so as to avoid a joint down the centre of the road. Where work is left off at night, it is advisable to insert a small strip of reinforcement two to three feet wide, about 2 in. from the top of the concrete, leaving about half the width projecting to join up with the next day's work. The concrete should be mixed as dry as possible, so long as it is workable.

Only the best Portland Cement should be used of a slow setting nature. After the concrete has been laid, it should be covered with about 2 in. of sand, which should be kept wet for two to three weeks to allow the concrete to thoroughly harden. After completion, the road should be allowed to stand for three to four weeks before it is opened to traffic. The surface can then be completed by tar-spraying, covered with granite chippings, other forms being a bituminous carpet, granite setts or wood blocks.



Road Foundation with double layer of "B & T" Reinforcement.

B&T



"B & T" Reinforced Floor Slabs.

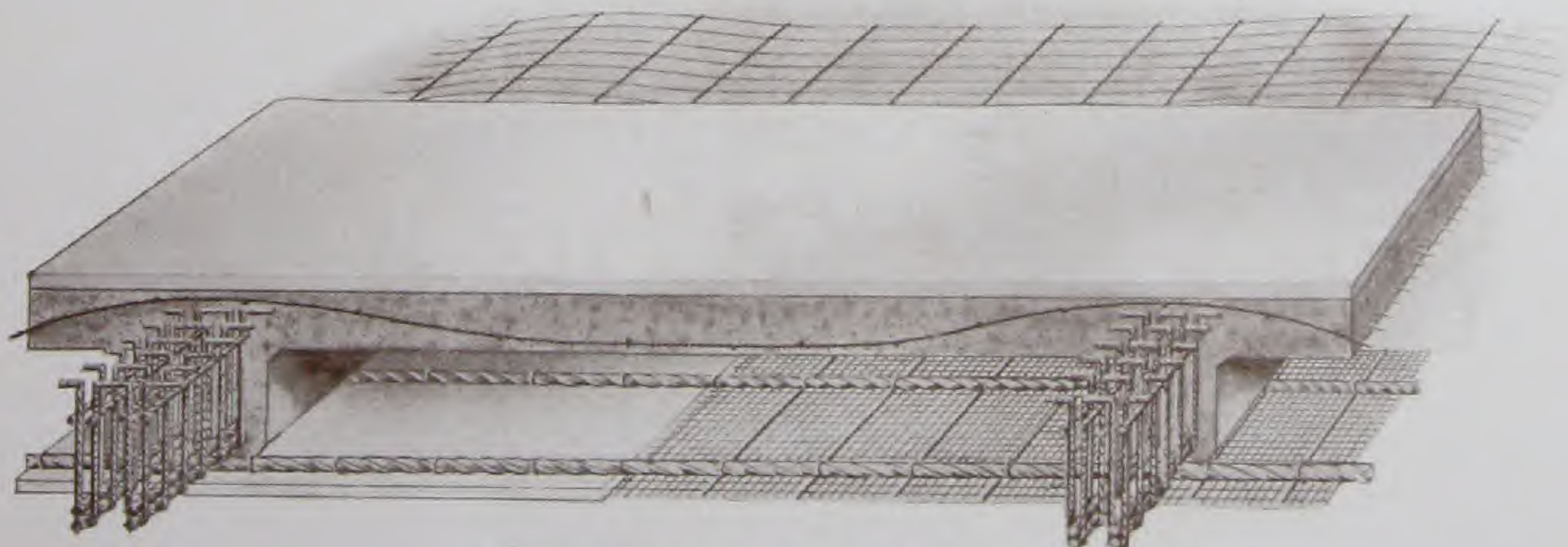
REINFORCED FLOOR SLABS

OUR Reinforcement is particularly adapted for Reinforced Concrete Slabs. Stresses up to 25,000 lbs. per sq. inch can be used in designs, and with the great variation of meshes we manufacture (as shown on pages 22—23) gives the architect and engineers a wide range to work from for the required area of steel.

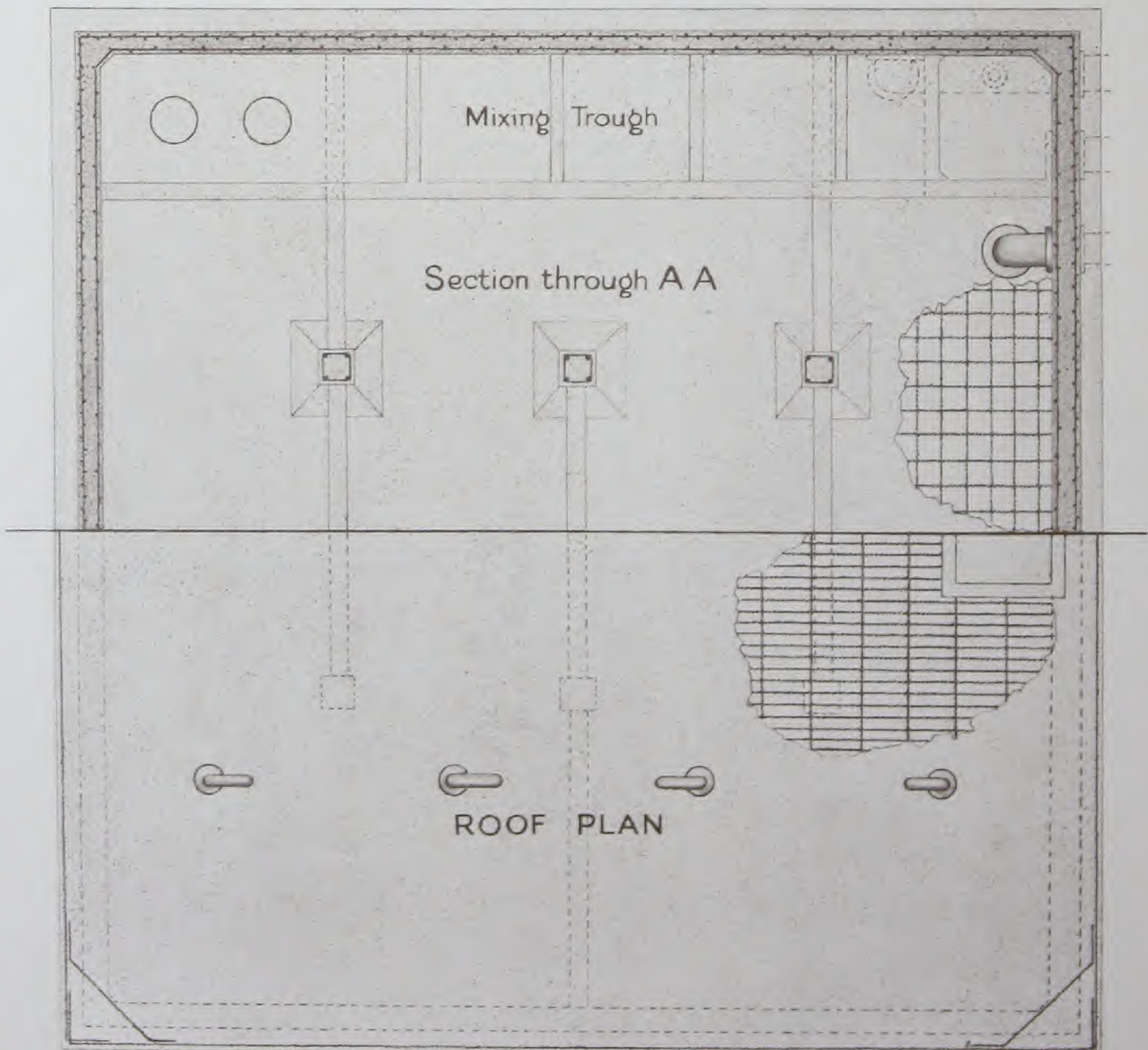
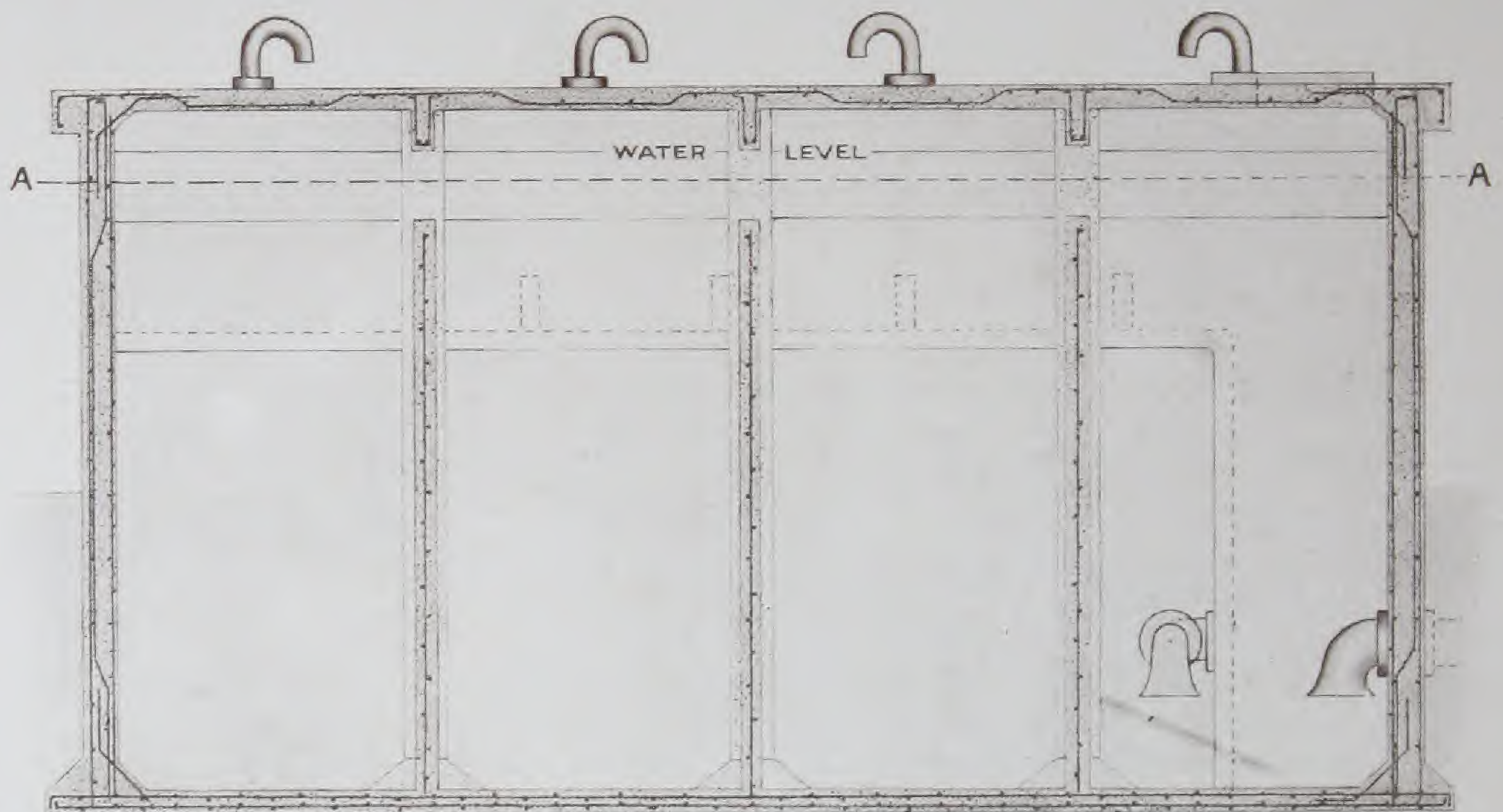
Our Reinforcement is made and supplied in flat sheets to the exact sizes required, which is an advantage when constructing floor slabs, partitions, retaining walls, etc.

Apart from the ease in handling the material thus cut, and the certainty of its keeping true to shape, there is an entire absence of waste in reinforcement which occurs with material cut from rolls.

"B. & T." Reinforcement will give the greatest efficiency at a lower cost than plain steel bars, when cost of laying in correct position is taken into consideration.



General View of "B & T" Floor Slab.



Small Water Tank, Reinforced with "B & T."

ENGINEERING DEPARTMENT

THE services of our Engineering Department are at the disposal of our clients.

We employ a staff of engineers of proved ability and experience and are ready to prepare and submit schemes and designs for all classes of Reinforced Concrete Work.

RESPONSIBILITY

We take full responsibility for reinforcements supplied by us in cases where we have prepared the designs.

B. & T. REINFORCEMENT

Fabric No.	Size of Mesh in inches.	I.S.W. Gauge.		Weight of Fabric in lbs. per super yard.	* Total effective Sectional Area sq. ins. per ft. width.
		Tension Wire.	Cross Wire.		
1	3" × 6"	1	8	12.61 lbs.	.36
1a	4" × 12"	1	8	9.85 "	.27
1b	6" × 12"	1	8	7.12 "	.18
1c	6" × 6"	1	1	11.02 "	.18
2	3" × 6"	2	8	10.93 "	.304
2a	4" × 12"	2	8	8.56 "	.228
2b	6" × 12"	2	8	6.25 "	.152
2c	6" × 6"	2	2	9.31 "	.152
3	3" × 6"	3	8	9.94 "	.252
3a	4" × 12"	3	8	7.85 "	.189
3b	6" × 12"	3	8	5.76 "	.126
3c	6" × 6"	3	3	8.57 "	.126
4	3" × 12"	4	10	7.58 "	.216
4a	4" × 12"	4	10	5.93 "	.162
4b	6" × 12"	4	10	4.19 "	.108
4c	6" × 6"	4	4	6.61 "	.108
4d	4" × 4"	4	4	9.91 "	.162
5	3" × 12"	5	10	6.49 "	.180
5a	4" × 12"	5	10	5.10 "	.135
5b	6" × 12"	5	10	3.73 "	.090
5c	6" × 6"	5	5	6.41 "	.090
5d	4" × 4"	5	5	8.26 "	.135
6	2" × 12"	6	10	8.13 "	.234
6a	3" × 12"	6	10	5.75 "	.156
6b	4" × 12"	6	10	4.55 "	.117
6c	6" × 12"	6	10	3.36 "	.078
6d	6" × 6"	6	6	4.78 "	.078
6e	4" × 4"	6	6	7.16 "	.117
7	2" × 10"	7	11	7.56 "	.186
7a	3" × 10"	7	11	5.35 "	.124
7b	4" × 10"	7	11	4.25 "	.093
7c	6" × 10"	7	11	3.14 "	.062
7d	6" × 6"	7	7	3.79 "	.062
7e	4" × 4"	7	7	5.69 "	.093
7f	3" × 3"	7	7	7.59 "	.124

* The effective area for the square mesh is the same in both directions.

B. & T. REINFORCEMENT

Fabric No.	Size of Mesh in inches.	I.S.W. Gauge.		Weight of Fabric in lbs. per super yard,	* Total effective Sectional Area sq. ins. per ft. width.
		Tension Wire.	Cross Wire.		
8	2" × 10"	8	11	6.49 lbs.	.156
8a	3" × 10"	8	11	4.64 "	.104
8b	4" × 10"	8	11	3.71 "	.078
8c	6" × 10"	8	11	2.70 "	.052
8d	6" × 6"	8	8	3.18 "	.052
8e	4" × 4"	8	8	5.0 "	.078
8f	3" × 3"	8	8	6.36 "	.104
9	2" × 10"	9	12	5.27 "	.126
9a	3" × 10"	9	12	3.78 "	.084
9b	4" × 10"	9	12	3.04 "	.063
9c	6" × 10"	9	12	2.29 "	.042
9d	6" × 6"	9	9	2.57 "	.042
9e	4" × 4"	9	9	3.85 "	.063
9f	3" × 3"	9	9	5.13 "	.084
9g	2" × 2"	9	9	7.70 "	.126
10	2" × 10"	10	12	4.19 "	.096
10a	3" × 10"	10	12	3.04 "	.064
10b	4" × 10"	10	12	2.49 "	.048
10c	6" × 10"	10	12	1.92 "	.032
10d	6" × 6"	10	10	1.94 "	.032
10e	4" × 4"	10	10	2.92 "	.048
10f	3" × 3"	10	10	3.89 "	.064
10g	2" × 2"	10	10	5.83 "	.096
11	2" × 8"	11	14	3.74 "	.078
11a	3" × 8"	11	14	2.69 "	.052
11b	4" × 8"	11	14	2.16 "	.039
11c	6" × 8"	11	14	1.63 "	.026
11d	6" × 6"	11	11	1.58 "	.026
11e	4" × 4"	11	11	2.38 "	.039
11f	3" × 3"	11	11	3.19 "	.052
11g	2" × 2"	11	11	4.75 "	.078
12	2" × 8"	12	14	3.27 "	.066
12a	3" × 8"	12	14	2.37 "	.044
12b	4" × 8"	12	14	1.91 "	.033
12c	6" × 8"	12	14	1.47 "	.022
12d	6" × 6"	12	12	1.35 "	.022
12e	4" × 4"	12	12	2.02 "	.033
12f	3" × 3"	12	12	2.70 "	.044
12g	2" × 2"	12	12	2.96 "	.066

FLOOR SLABS**TABLES**

For Uniformly Distributed Load:—

50 lbs. per sq foot	..	..	..	pages 26—27
56	..	..	..	.. 28—29
70	..	..	..	.. 30—31
84	..	..	..	.. 32—33
100	..	..	..	.. 34—35
112	..	..	..	.. 36—37
120	..	..	..	.. 38—39
150	..	..	..	.. 40—41
200	..	..	..	.. 42—43
224	..	..	..	.. 44—45
250	..	..	..	.. 46—47
300	..	..	..	.. 48—49
Bending Moments in Milal-inches	..			.. 50—51

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Calculations for other methods of loading and support.

The tables on pp. 26-51 are for spans fixed at both ends or for continuous spans other than end spans; the load being uniformly distributed and supports provided on two edges only.

For other cases the following procedure may be adopted:—

Case under consideration	Procedure
Simply supported spans	Divide tabulated span by 1.2
End span of a series of continuous spans	Divide tabulated span by 1.1
Rolling Load W (in thousands of pounds) on span of "l" feet. Thickness of concrete "t" inches.	Calculate $B = 2l (W + 12tl)$ for intermediate continuous spans. $B = 3l (W + 12tl)$ for end continuous spans and simply supported spans. This value should not exceed values of permissible bending moments tabulated on pp. 50 & 51.

In all the tables half an inch cover of concrete over the reinforcement has been assumed.
Concrete mixture, 1 : 2 : 4.

Ultimate crushing strength 2,400 lbs. per sq. in. at 4 months.

Compression in extreme fibre 600 lbs. per sq. in.

Max. shear 60 lbs. per sq. in.

Steel in tension 25,000 lbs. per sq. in.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 50 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	10.1	11.2	12.4	13.3	14.5	15.4	16.3	17.1	17.9	18.7
9.85	4 × 12	1a	9.1	10.8	11.9	12.9	13.9	14.7	15.5	16.3	17.0	17.6
7.11	6 × 12	1b	9.0	10.1	11.1	12.1	12.9	13.4	13.7	14.0	14.3	14.7
11.0	6 × 6	1c	9.0	10.1	11.1	12.1	12.9	13.4	13.7	14.0	14.3	14.7
10.9	3 × 6	2	9.8	11.0	12.1	13.1	14.1	15.0	15.8	16.8	17.4	18.0
8.57	4 × 12	2a	9.3	10.5	11.8	12.6	13.5	14.3	15.0	15.6	15.9	16.2
6.24	6 × 12	2b	8.7	9.8	10.8	11.7	12.1	12.4	12.6	12.9	13.2	13.4
9.31	6 × 6	2c	8.7	9.8	10.8	11.7	12.1	12.4	12.6	12.9	13.2	13.4
9.94	3 × 6	3	9.5	10.7	11.7	12.7	13.7	14.7	15.6	16.1	16.8	17.1
7.85	4 × 12	3a	9.0	10.2	11.2	12.2	13.0	13.8	14.1	14.4	14.6	14.8
5.76	6 × 12	3b	8.4	9.4	10.3	10.9	11.1	11.3	11.4	11.6	11.8	12.1
8.57	6 × 6	3c	8.4	9.4	10.3	10.9	11.1	11.3	11.4	11.6	11.8	12.1
7.58	3 × 12	4	9.2	10.4	11.4	12.4	13.4	14.1	14.8	15.4	15.6	15.9
5.93	4 × 12	4a	8.8	9.8	10.7	11.7	12.6	13.0	13.1	13.3	13.5	13.7
4.19	6 × 12	4b	8.1	9.2	9.7	10.0	10.3	10.5	10.7	10.9	11.0	11.20
6.61	6 × 6	4c	8.1	9.2	9.7	10.0	10.3	10.5	10.7	10.9	11.0	11.20
9.91	4 × 4	4d	8.8	9.8	10.7	11.7	12.6	13.0	13.1	13.3	13.5	13.7
6.48	3 × 12	5	9.0	10.1	11.1	12.1	12.9	13.4	13.7	14.0	14.3	14.7
5.10	4 × 12	5a	8.5	9.6	10.5	11.3	11.5	11.7	11.9	12.1	12.3	12.5
3.73	6 × 12	5b	7.9	8.4	8.8	9.1	9.4	9.7	9.8	9.9	10.1	10.3
6.41	6 × 6	5c	7.9	8.4	8.8	9.1	9.4	9.7	9.8	9.9	10.1	10.3
8.26	4 × 4	5d	8.5	9.6	10.5	11.3	11.5	11.7	11.9	12.1	12.3	12.5
8.13	2 × 12	6	9.3	10.7	11.6	12.6	13.6	14.4	15.1	15.8	16.2	16.4
5.75	3 × 12	6a	8.8	9.8	10.8	11.8	12.3	12.6	12.8	13.0	13.2	13.4
4.55	4 × 12	6b	8.3	9.3	10.3	10.4	10.7	11.0	11.1	11.2	11.4	11.6
2.87	6 × 12	6c	7.3	7.8	8.2	8.5	8.7	8.8	9.0	9.2	9.3	9.5
4.77	6 × 6	6d	7.3	7.8	8.2	8.5	8.7	8.8	9.0	9.2	9.3	9.5
7.16	4 × 4	6e	8.3	9.3	10.3	10.4	10.7	11.0	11.1	11.2	11.4	11.6
7.56	2 × 10	7	9.0	10.1	11.1	12.0	12.7	13.3	13.9	14.2	14.5	14.7
5.35	3 × 10	7a	8.4	9.4	10.3	10.8	11.0	11.2	11.5	11.6	11.8	12.0
4.24	4 × 10	7b	7.9	8.6	9.2	9.4	9.6	9.8	9.9	10.1	10.3	10.4
3.14	6 × 10	7c	6.5	6.9	7.3	7.6	7.8	8.0	8.2	8.2	8.3	8.4
3.79	6 × 6	7d	6.5	6.9	7.3	7.6	7.8	8.0	8.2	8.2	8.3	8.4
5.69	4 × 4	7e	7.9	8.6	9.2	9.4	9.6	9.8	9.9	10.1	10.3	10.4
7.59	3 × 3	7f	8.4	9.4	10.3	10.8	11.0	11.2	11.5	11.6	11.8	12.0

NOTE.

The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see table on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 50 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	8.8	9.8	10.8	11.6	12.3	12.7	12.8	13.0	13.2	13.4
4.64	3 × 10	8a	8.1	9.0	9.6	9.9	10.1	10.3	10.5	10.7	10.8	11.0
3.71	4 × 10	8b	7.3	7.8	8.2	8.5	8.7	8.8	9.0	9.2	9.3	9.5
2.69	6 × 10	8c	6.0	6.3	6.7	7.0	7.1	7.3	7.4	7.5	7.7	7.8
3.18	6 × 6	8d	6.0	6.3	6.7	7.0	7.1	7.3	7.4	7.5	7.7	7.8
4.77	4 × 4	8e	7.3	7.8	8.2	8.5	8.7	8.8	9.0	9.2	9.3	9.5
6.36	3 × 3	8f	8.1	9.0	9.6	9.9	10.1	10.3	10.5	10.7	10.8	11.0
5.27	2 × 10	9	8.4	9.4	10.4	10.8	11.1	11.3	11.5	11.7	11.9	12.1
3.78	3 × 10	9a	7.6	8.1	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.9
3.03	4 × 10	9b	6.5	6.9	7.3	7.6	7.9	8.0	8.1	8.2	8.3	8.5
2.28	6 × 10	9c	5.3	5.7	6.1	6.3	6.4	6.5	6.6	6.7	6.9	7.0
2.57	6 × 6	9d	5.3	5.7	6.1	6.3	6.4	6.5	6.6	6.7	6.9	7.0
3.85	4 × 4	9e	6.5	6.9	7.3	7.6	7.9	8.0	8.1	8.2	8.3	8.5
5.13	3 × 3	9f	7.6	8.1	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.9
7.70	2 × 2	9g	8.4	9.4	10.4	10.8	11.1	11.3	11.5	11.7	11.9	12.1
4.19	2 × 10	10	8.0	8.7	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.6
3.05	3 × 10	10a	6.6	7.0	7.4	7.7	7.9	8.1	8.3	8.4	8.5	8.7
2.49	4 × 10	10b	5.7	6.1	6.4	6.7	6.9	7.1	7.2	7.2	7.3	7.4
1.92	6 × 10	10c	4.7	5.0	5.3	5.5	5.6	5.6	5.7	5.8	6.0	6.1
1.94	6 × 6	10d	4.7	5.0	5.3	5.5	5.6	5.6	5.7	5.8	6.0	6.1
2.92	4 × 4	10e	5.7	6.1	6.4	6.7	6.9	7.1	7.2	7.2	7.3	7.4
3.89	3 × 3	10f	6.6	7.0	7.4	7.7	7.9	8.1	8.3	8.4	8.5	8.7
5.83	2 × 2	10g	8.0	8.7	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.6
3.74	2 × 8	11	7.3	7.8	8.2	8.5	8.7	8.8	9.0	9.2	9.3	9.5
2.68	3 × 8	11a	6.0	6.3	6.7	7.0	7.1	7.3	7.4	7.5	7.7	7.8
2.15	4 × 8	11b	5.0	5.3	5.7	6.0	6.2	6.3	6.4	6.5	6.6	6.6
1.63	6 × 8	11c	4.2	4.4	4.6	4.8	5.0	5.1	5.2	5.3	5.4	5.5
1.58	6 × 6	11d	4.2	4.4	4.6	4.8	5.0	5.1	5.2	5.3	5.4	5.5
2.38	4 × 4	11e	5.0	5.3	5.7	6.0	6.2	6.3	6.4	6.5	6.6	6.6
3.17	3 × 3	11f	6.0	6.3	6.7	7.0	7.1	7.3	7.4	7.5	7.7	7.8
4.75	2 × 2	11g	7.3	7.8	8.2	8.5	8.7	8.8	9.0	9.2	9.3	9.5
3.26	2 × 8	12	6.7	7.2	7.6	7.8	8.0	8.2	8.3	8.4	8.6	8.7
2.37	3 × 8	12a	5.5	5.8	6.2	6.5	6.6	6.8	6.9	6.9	6.9	6.9
1.91	4 × 8	12b	4.8	5.0	5.2	5.4	5.6	5.7	5.8	5.9	6.0	6.2
1.47	6 × 8	12c	4.0	4.2	4.4	4.6	4.7	4.8	4.9	4.9	4.9	4.9
1.35	6 × 6	12d	4.0	4.2	4.4	4.6	4.7	4.8	4.9	4.9	4.9	4.9
2.02	4 × 4	12e	4.8	5.0	5.2	5.4	5.6	5.7	5.8	5.9	6.0	6.2
2.69	3 × 3	12f	5.5	5.8	6.2	6.5	6.6	6.8	6.9	6.9	6.9	6.9
2.96	2 × 2	12g	6.7	7.2	7.6	7.8	8.0	8.2	8.3	8.4	8.6	8.7

NOTE.

The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads ; for other methods of loading and supports see table on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 56 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	9.7	10.9	11.9	12.9	14.0	15.0	15.9	16.8	17.6	18.3
9.85	4 × 12	1a	8.8	10.5	11.5	12.5	13.5	14.3	15.1	15.9	16.6	17.2
7.11	6 × 12	1b	8.7	9.8	10.8	11.8	12.6	13.0	13.3	13.7	14.0	14.4
11.0	6 × 6	1c	8.7	9.8	10.8	11.8	12.6	13.0	13.3	13.7	14.0	14.4
10.9	3 × 6	2	9.5	10.6	11.7	12.7	13.7	14.6	15.5	16.4	17.0	17.6
8.57	4 × 12	2a	9.0	10.2	11.4	12.2	13.1	13.9	14.7	15.3	15.5	15.8
6.24	6 × 12	2b	8.4	9.5	10.6	11.4	11.8	12.2	12.4	12.6	12.9	13.1
9.31	6 × 6	2c	8.4	9.5	10.6	11.4	11.8	12.2	12.4	12.6	12.9	13.1
9.94	3 × 6	3	9.3	10.3	11.4	12.4	13.4	14.3	15.2	15.8	16.3	16.7
7.85	4 × 12	3a	8.7	9.8	10.9	11.8	12.7	13.3	13.7	14.0	14.3	14.5
5.76	6 × 12	3b	8.2	9.2	10.2	10.5	10.7	10.9	11.2	11.4	11.6	11.8
8.57	6 × 6	3c	8.2	9.2	10.2	10.5	10.7	10.9	11.2	11.4	11.6	11.8
7.58	3 × 12	4	8.9	10.1	11.1	12.1	13.0	13.8	14.5	15.2	15.4	15.5
5.93	4 × 12	4a	8.5	9.6	10.6	11.6	12.3	12.6	12.8	13.0	13.2	13.4
4.19	6 × 12	4b	7.9	8.9	9.4	9.7	10.0	10.2	10.4	10.6	10.8	11.0
6.61	6 × 6	4c	7.9	8.9	9.4	9.7	10.0	10.2	10.4	10.6	10.8	11.0
9.91	4 × 4	4d	8.5	9.6	10.6	11.6	12.3	12.6	12.8	13.0	13.2	13.4
6.48	3 × 12	5	8.7	9.8	10.8	11.8	12.6	13.0	13.3	13.7	14.0	14.4
5.10	4 × 12	5a	8.2	9.3	10.2	10.8	11.2	11.4	11.6	11.8	12.0	12.2
3.73	6 × 12	5b	7.6	8.1	8.6	8.9	9.2	9.5	9.6	9.7	9.9	10.0
6.41	6 × 6	5c	7.6	8.1	8.6	8.9	9.2	9.5	9.6	9.7	9.9	10.0
8.26	4 × 4	5d	8.2	9.3	10.2	10.8	11.2	11.4	11.6	11.8	12.0	12.2
8.13	2 × 12	6	9.0	10.4	11.4	12.2	13.2	14.0	14.8	15.4	15.9	16.3
5.75	3 × 12	6a	8.5	9.6	10.6	11.4	12.0	12.3	12.5	12.7	12.9	13.2
4.55	4 × 12	6b	8.0	9.0	9.8	10.1	10.3	10.6	10.8	11.0	11.2	11.4
2.87	6 × 12	6c	7.1	7.6	8.0	8.3	8.6	8.8	9.0	9.1	9.2	9.3
4.77	6 × 6	6d	7.1	7.6	8.0	8.3	8.6	8.8	9.0	9.1	9.2	9.3
7.16	4 × 4	6e	8.0	9.0	9.8	10.1	10.3	10.6	10.8	11.0	11.2	11.4
7.56	2 × 10	7	8.7	9.8	10.8	11.7	12.6	13.1	13.6	13.9	14.2	14.3
5.35	3 × 10	7a	8.1	9.2	10.1	10.5	10.7	10.9	11.1	11.3	11.5	11.7
4.24	4 × 10	7b	7.9	8.3	8.7	9.1	9.3	9.5	9.7	9.9	10.0	10.1
3.14	6 × 10	7c	6.3	6.6	7.1	7.4	7.6	7.8	7.9	8.0	8.1	8.2
3.79	6 × 6	7d	6.3	6.6	7.1	7.4	7.6	7.8	7.9	8.0	8.1	8.2
5.69	4 × 4	7e	7.9	8.3	8.7	9.1	9.3	9.5	9.7	9.9	10.0	10.1
7.59	3 × 3	7f	8.1	9.2	10.1	10.5	10.7	10.9	11.1	11.3	11.5	11.7

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 56 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	8.5	9.5	10.5	11.3	11.9	12.2	12.5	12.7	12.9	13.1
4.64	3 × 10	8a	7.9	8.7	9.3	9.6	9.9	10.2	10.4	10.6	10.7	10.8
3.71	4 × 10	8b	7.1	7.6	8.0	8.3	8.6	8.8	9.0	9.1	9.2	9.3
2.69	6 × 10	8c	5.8	6.2	6.6	6.8	7.0	7.2	7.3	7.4	7.5	7.6
3.18	6 × 6	8d	5.8	6.2	6.6	6.8	7.0	7.2	7.3	7.4	7.5	7.6
4.77	4 × 4	8e	7.1	7.6	8.0	8.3	8.6	8.8	9.0	9.1	9.2	9.3
6.36	3 × 3	8f	7.9	8.7	9.3	9.6	9.9	10.2	10.4	10.6	10.7	10.8
5.27	2 × 10	9	8.2	9.2	10.2	10.5	10.7	10.9	11.2	11.4	11.6	11.8
3.78	3 × 10	9a	7.4	7.9	8.4	8.6	8.8	9.0	9.2	9.3	9.5	9.7
3.03	4 × 10	9b	6.3	6.7	7.2	7.5	7.7	7.8	7.9	8.1	8.2	8.4
2.28	6 × 10	9c	5.2	5.5	5.8	6.1	6.2	6.3	6.4	6.5	6.7	6.8
2.57	6 × 6	9d	5.2	5.5	5.8	6.1	6.2	6.3	6.4	6.5	6.7	6.8
3.85	4 × 4	9e	6.3	6.7	7.2	7.5	7.7	7.8	7.9	8.1	8.2	8.4
5.13	3 × 3	9f	7.4	7.9	8.4	8.6	8.8	9.0	9.2	9.3	9.5	9.7
7.70	2 × 2	9g	8.2	9.2	10.2	10.5	10.7	10.9	11.2	11.4	11.6	11.8
4.19	2 × 10	10	7.7	8.4	8.8	9.2	9.4	9.6	9.8	10.0	10.2	10.3
3.05	3 × 10	10a	6.4	6.9	7.3	7.5	7.7	7.9	8.0	8.1	8.3	8.5
2.49	4 × 10	10b	5.5	6.0	6.3	6.5	6.7	6.9	7.0	7.1	7.2	7.4
1.92	6 × 10	10c	4.6	4.9	5.2	5.3	5.4	5.5	5.6	5.7	5.9	6.0
1.94	6 × 6	10d	4.6	4.9	5.2	5.3	5.4	5.5	5.6	5.7	5.9	6.0
2.92	4 × 4	10e	5.5	6.0	6.3	6.5	6.7	6.9	7.0	7.1	7.2	7.4
3.89	3 × 3	10f	6.4	6.9	7.3	7.5	7.7	7.9	8.0	8.1	8.3	8.5
5.83	2 × 2	10g	7.7	8.4	8.8	9.2	9.4	9.6	9.8	10.0	10.2	10.3
3.74	2 × 8	11	7.1	7.6	8.0	8.3	8.6	8.8	9.0	9.1	9.2	9.3
2.68	3 × 8	11a	5.8	6.2	6.6	6.8	7.0	7.2	7.3	7.4	7.5	7.6
2.15	4 × 8	11b	4.9	5.1	5.6	6.0	6.1	6.2	6.3	6.4	6.5	6.5
1.63	6 × 8	11c	4.1	4.2	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.3
1.58	6 × 6	11d	4.1	4.2	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.3
2.38	4 × 4	11e	4.9	5.1	5.6	6.0	6.1	6.2	6.3	6.4	6.5	6.5
3.17	3 × 3	11f	5.8	6.2	6.6	6.8	7.0	7.2	7.3	7.4	7.5	7.6
4.75	2 × 2	11g	7.1	7.6	8.0	8.3	8.6	8.8	9.0	9.1	9.2	9.3
3.26	2 × 8	12	6.5	6.9	7.4	7.6	7.8	8.0	8.1	8.2	8.4	8.5
2.37	3 × 8	12a	5.4	5.7	6.0	6.2	6.4	6.6	6.7	6.8	6.8	6.8
1.91	4 × 8	12b	4.7	4.9	5.3	5.5	5.5	5.5	5.6	5.7	5.8	5.9
1.47	6 × 8	12c	4.0	4.0	4.2	4.4	4.6	4.7	4.7	4.7	4.8	4.8
1.35	6 × 6	12d	4.0	4.0	4.2	4.4	4.6	4.7	4.7	4.7	4.8	4.8
2.02	4 × 4	12e	4.7	4.9	5.3	5.5	5.5	5.5	5.6	5.7	5.8	5.9
2.69	3 × 3	12f	5.4	5.7	6.0	6.2	6.4	6.6	6.7	6.8	6.8	6.8
2.96	2 × 2	12g	6.5	6.9	7.4	7.6	7.8	8.0	8.1	8.2	8.4	8.5

NOTE.

The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 70 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	9.1	10.1	11.2	12.3	13.4	14.3	15.1	16.0	16.8	17.4
9.85	4 × 12	1a	8.3	9.8	10.8	11.8	12.8	13.6	14.4	15.2	15.8	16.4
7.11	6 × 12	1b	8.1	9.1	10.1	11.1	11.9	12.3	12.7	13.1	13.4	13.7
11.0	6 × 6	1c	8.1	9.1	10.1	11.1	11.9	12.3	12.7	13.1	13.4	13.7
10.9	3 × 6	2	8.8	9.9	11.0	12.0	13.0	13.9	14.7	15.5	16.2	16.9
8.57	4 × 12	2a	8.4	9.5	10.7	11.5	12.4	13.2	13.9	14.3	14.8	15.1
6.24	6 × 12	2b	7.8	8.9	9.8	10.7	11.2	11.6	11.8	12.0	12.3	12.5
9.31	6 × 6	2c	7.8	8.9	9.8	10.7	11.2	11.6	11.8	12.0	12.3	12.5
9.94	3 × 6	3	8.5	9.6	10.7	11.7	12.6	13.6	14.3	14.9	15.5	16.0
7.85	4 × 12	3a	8.1	9.2	10.2	11.1	12.0	12.7	13.0	13.3	13.6	13.9
5.76	6 × 12	3b	7.6	8.6	9.5	9.9	10.2	10.4	10.6	10.8	11.1	11.3
8.57	6 × 6	3c	7.6	8.6	9.5	9.9	10.2	10.4	10.6	10.8	11.1	11.3
7.58	3 × 12	4	8.3	9.4	10.4	11.4	12.3	13.0	13.7	14.4	14.6	14.8
5.93	4 × 12	4a	7.9	9.0	9.9	10.9	11.6	11.9	12.2	12.4	12.6	12.8
4.19	6 × 12	4b	7.3	8.4	8.8	9.2	9.5	9.8	10.0	10.2	10.3	10.5
6.61	6 × 6	4c	7.3	8.4	8.8	9.2	9.5	9.8	10.0	10.2	10.3	10.5
9.91	4 × 4	4d	7.9	9.0	9.9	10.9	11.6	11.9	12.2	12.4	12.6	12.8
6.48	3 × 12	5	8.1	9.1	10.1	11.1	11.9	12.3	12.7	13.1	13.4	13.7
5.10	4 × 12	5a	7.6	8.7	9.6	10.3	10.6	10.9	11.1	11.3	11.5	11.7
3.73	6 × 12	5b	7.1	7.6	8.1	8.4	8.6	8.8	9.0	9.2	9.4	9.6
6.41	6 × 6	5c	7.1	7.6	8.1	8.4	8.6	8.8	9.0	9.2	9.4	9.6
8.26	4 × 4	5d	7.6	8.7	9.6	10.3	10.6	10.9	11.1	11.3	11.5	11.7
8.13	2 × 12	6	8.4	9.7	10.6	11.5	12.5	13.3	14.0	14.7	15.2	15.6
5.75	3 × 12	6a	7.9	8.9	9.9	10.8	11.4	11.8	12.0	12.2	12.4	12.6
4.55	4 × 12	6b	7.5	8.5	9.2	9.5	9.8	10.0	10.2	10.4	10.7	10.9
2.87	6 × 12	6c	6.6	7.1	7.5	7.8	8.1	8.4	8.6	8.7	8.7	8.8
4.77	6 × 6	6d	6.6	7.1	7.5	7.8	8.1	8.4	8.6	8.7	8.7	8.8
7.16	4 × 4	6e	7.5	8.5	9.2	9.5	9.8	10.0	10.2	10.4	10.7	10.9
7.56	2 × 10	7	8.1	9.2	10.2	11.1	11.9	12.5	12.9	13.2	13.5	13.7
5.35	3 × 10	7a	7.6	8.6	9.4	9.9	10.2	10.5	10.7	10.8	11.0	11.2
4.24	4 × 10	7b	7.2	7.8	8.5	8.6	8.8	9.0	9.1	9.3	9.5	9.7
3.14	6 × 10	7c	5.9	6.3	6.7	7.0	7.2	7.4	7.6	7.7	7.8	7.9
3.79	6 × 6	7d	5.9	6.3	6.7	7.0	7.2	7.4	7.6	7.7	7.8	7.9
5.69	4 × 4	7e	7.2	7.8	8.5	8.6	8.8	9.0	9.1	9.3	9.5	9.7
7.59	3 × 3	7f	7.6	8.6	9.4	9.9	10.2	10.5	10.7	10.8	11.0	11.2

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see table on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 70 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	7.9	8.9	9.9	10.6	11.4	11.6	11.8	12.1	12.3	12.5
4.64	3 × 10	8a	7.3	8.2	8.7	9.2	9.4	9.6	9.7	9.9	10.1	10.3
3.71	4 × 10	8b	6.6	7.1	7.5	7.8	8.1	8.4	8.6	8.7	8.7	8.8
2.69	6 × 10	8c	5.4	5.7	6.1	6.3	6.5	6.7	6.9	7.0	7.1	7.3
3.18	6 × 6	8d	5.4	5.7	6.1	6.3	6.5	6.7	6.9	7.0	7.1	7.3
4.77	4 × 4	8e	6.6	7.1	7.5	7.8	8.1	8.4	8.6	8.7	8.7	8.8
6.36	3 × 3	8f	7.3	8.2	8.7	9.2	9.4	9.6	9.7	9.9	10.1	10.3
5.27	2 × 10	9	7.6	8.6	9.5	9.9	10.2	10.4	10.6	10.8	11.1	11.3
3.78	3 × 10	9a	6.9	7.4	7.8	8.1	8.4	8.5	8.7	8.9	9.0	9.1
3.03	4 × 10	9b	5.9	6.3	6.8	7.0	7.2	7.4	7.5	7.7	7.8	8.0
2.28	6 × 10	9c	4.8	5.2	5.5	5.7	5.9	6.0	6.1	6.2	6.4	6.5
2.57	6 × 6	9d	4.8	5.2	5.5	5.7	5.9	6.0	6.1	6.2	6.4	6.5
3.85	4 × 4	9e	5.9	6.3	6.8	7.0	7.2	7.4	7.5	7.7	7.8	8.0
5.13	3 × 3	9f	6.9	7.4	7.8	8.1	8.4	8.5	8.7	8.9	9.0	9.1
7.70	2 × 2	9g	7.6	8.6	9.5	9.9	10.2	10.4	10.6	10.8	11.1	11.3
4.19	2 × 10	10	7.2	7.8	8.4	8.6	8.9	9.1	9.3	9.5	9.7	9.9
3.05	3 × 10	10a	6.0	6.4	6.8	7.1	7.3	7.6	7.7	7.8	7.9	8.1
2.49	4 × 10	10b	5.2	5.6	5.9	6.1	6.4	6.6	6.7	6.8	6.9	7.0
1.92	6 × 10	10c	4.3	4.6	4.9	5.0	5.1	5.2	5.4	5.5	5.6	5.7
1.94	6 × 6	10d	4.3	4.6	4.9	5.0	5.1	5.2	5.4	5.5	5.6	5.7
2.92	4 × 4	10e	5.2	5.6	5.9	6.1	6.4	6.6	6.7	6.8	6.9	7.0
3.89	3 × 3	10f	6.0	6.4	6.8	7.1	7.3	7.6	7.7	7.8	7.9	8.1
5.83	2 × 2	10g	7.2	7.8	8.4	8.6	8.9	9.1	9.3	9.5	9.7	9.9
3.74	2 × 8	11	6.6	7.1	7.5	7.8	8.1	8.4	8.6	8.7	8.7	8.8
2.68	3 × 8	11a	5.4	5.7	6.1	6.3	6.5	6.7	6.9	7.0	7.1	7.3
2.15	4 × 8	11b	4.5	4.8	5.0	5.3	5.6	5.9	6.0	6.0	6.1	6.2
1.63	6 × 8	11c		4.2	4.4	4.6	4.6	4.7	4.8	4.9	5.0	5.0
1.58	6 × 6	11d		4.2	4.4	4.6	4.6	4.7	4.8	4.9	5.0	5.0
2.38	4 × 4	11e	4.5	4.8	5.0	5.3	5.6	5.9	6.0	6.0	6.1	6.2
3.17	3 × 3	11f	5.4	5.7	6.1	6.3	6.5	6.7	6.9	7.0	7.1	7.3
4.75	2 × 2	11g	6.6	7.1	7.5	7.8	8.1	8.4	8.6	8.7	8.7	8.8
3.26	2 × 8	12	6.2	6.5	6.8	7.1	7.4	7.6	7.7	7.8	8.0	8.1
2.37	3 × 8	12a	5.0	5.3	5.6	5.9	6.1	6.3	6.4	6.4	6.4	6.5
1.91	4 × 8	12b	4.4	4.6	4.8	5.0	5.2	5.3	5.4	5.5	5.7	5.8
1.47	6 × 8	12c			4.1	4.3	4.4	4.5	4.5	4.5	4.6	4.6
1.35	6 × 6	12d			4.1	4.3	4.4	4.5	4.5	4.5	4.6	4.6
2.02	4 × 4	12e	4.4	4.6	4.8	5.0	5.2	5.3	5.4	5.5	5.7	5.8
2.69	3 × 3	12f	5.0	5.3	5.6	5.9	6.1	6.3	6.4	6.4	6.4	6.5
2.96	2 × 2	12g	6.2	6.5	6.8	7.1	7.4	7.6	7.7	7.8	8.0	8.1

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 84 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	8.5	9.5	10.5	11.5	12.5	13.5	14.5	15.2	16.0	16.7
9.85	4 × 12	1a	7.7	9.2	10.2	11.2	12.1	12.9	13.7	14.5	15.2	15.7
7.11	6 × 12	1b	7.7	8.6	9.6	10.5	11.3	11.9	12.2	12.5	12.8	13.5
11.0	6 × 6	1c	7.7	8.6	9.6	10.5	11.3	11.9	12.2	12.5	12.8	13.5
10.9	3 × 6	2	8.3	9.3	10.4	11.4	12.4	13.2	14.0	14.8	15.6	16.2
8.57	4 × 12	2a	7.9	9.0	10.0	10.9	11.8	12.6	13.3	13.9	14.2	14.5
6.24	6 × 12	2b	7.4	8.4	9.3	10.2	10.7	11.0	11.2	11.4	11.8	12.0
9.31	6 × 6	2c	7.4	8.4	9.3	10.2	10.7	11.0	11.2	11.4	11.8	12.0
9.94	3 × 6	3	8.1	9.1	10.1	11.1	12.0	12.9	13.8	14.4	14.9	15.3
7.85	4 × 12	3a	7.6	8.7	9.7	10.6	11.4	11.9	12.4	12.7	13.0	13.3
5.76	6 × 12	3b	7.1	8.1	9.1	9.4	9.7	9.9	10.1	10.3	10.6	10.9
8.57	6 × 6	3c	7.1	8.1	9.1	9.4	9.7	9.9	10.1	10.3	10.6	10.9
7.58	3 × 12	4	7.8	9.0	9.9	10.8	11.7	12.6	13.3	13.6	13.9	14.2
5.93	4 × 12	4a	7.4	8.4	9.2	10.2	11.0	11.3	11.5	11.8	12.0	12.3
4.19	6 × 12	4b	6.9	7.9	8.4	8.8	9.0	9.2	9.4	9.6	9.8	10.0
6.61	6 × 6	4c	6.9	7.9	8.4	8.8	9.0	9.2	9.4	9.6	9.8	10.0
9.91	4 × 4	4d	7.4	8.4	9.2	10.2	11.0	11.3	11.5	11.8	12.0	12.3
6.48	3 × 12	5	7.7	8.6	9.6	10.5	11.3	11.9	12.2	12.5	12.8	13.5
5.10	4 × 12	5a	7.2	8.2	9.1	9.8	10.0	10.3	10.5	10.7	10.9	11.2
3.73	6 × 12	5b	6.7	7.2	7.6	7.9	8.2	8.5	8.7	8.8	9.0	9.2
6.41	6 × 6	5c	6.7	7.2	7.6	7.9	8.2	8.5	8.7	8.8	9.0	9.2
8.26	4 × 4	5d	7.2	8.2	9.1	9.8	10.0	10.3	10.5	10.7	10.9	11.2
8.13	2 × 12	6	7.9	9.1	10.0	10.9	11.9	12.6	13.4	14.0	14.6	14.9
5.75	3 × 12	6a	7.4	8.4	9.4	10.2	10.6	11.2	11.4	11.6	11.8	12.0
4.55	4 × 12	6b	7.0	8.0	8.5	9.0	9.3	9.6	9.8	10.0	10.2	10.4
2.87	6 × 12	6c	6.2	6.7	7.1	7.4	7.7	8.0	8.1	8.2	8.3	8.5
4.77	6 × 6	6d	6.2	6.7	7.1	7.4	7.7	8.0	8.1	8.2	8.3	8.5
7.16	4 × 4	6e	7.0	8.0	8.5	9.0	9.3	9.6	9.8	10.0	10.2	10.4
7.56	2 × 10	7	7.6	8.6	9.6	10.4	11.3	11.8	12.2	12.6	13.0	13.2
5.35	3 × 10	7a	7.1	8.0	8.9	9.4	9.7	10.0	10.2	10.4	10.5	10.7
4.24	4 × 10	7b	6.7	7.3	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.3
3.14	6 × 10	7c	5.5	5.9	6.3	6.6	6.8	7.0	7.2	7.3	7.4	7.6
3.79	6 × 6	7d	5.5	5.9	6.3	6.6	6.8	7.0	7.2	7.3	7.4	7.6
5.69	4 × 4	7e	6.7	7.3	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.3
7.59	3 × 3	7f	7.1	8.0	8.9	9.4	9.7	10.0	10.2	10.4	10.5	10.7

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 84 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	7.4	8.4	9.4	10.1	10.8	11.2	11.4	11.6	11.8	12.0
4.64	3 × 10	8a	6.9	7.7	8.3	8.6	8.8	9.1	9.3	9.5	9.7	9.9
3.71	4 × 10	8b	6.2	6.7	7.1	7.4	7.7	8.0	8.1	8.2	8.3	8.5
2.69	6 × 10	8c	5.0	5.4	5.8	6.0	6.2	6.4	6.5	6.6	6.8	7.0
3.18	6 × 6	8d	5.0	5.4	5.8	6.0	6.2	6.4	6.5	6.6	6.8	7.0
4.77	4 × 4	8e	6.2	6.7	7.1	7.4	7.7	8.0	8.1	8.2	8.3	8.5
6.36	3 × 3	8f	6.9	7.7	8.3	8.6	8.8	9.1	9.3	9.5	9.7	9.9
5.27	2 × 10	9	7.1	8.1	9.1	9.4	9.7	9.9	10.1	10.3	10.6	10.9
3.78	3 × 10	9a	6.4	6.9	7.4	7.7	7.9	8.1	8.3	8.5	8.7	8.9
3.03	4 × 10	9b	5.5	5.9	6.4	6.7	6.9	7.0	7.2	7.3	7.5	7.7
2.28	6 × 10	9c	4.5	4.9	5.2	5.4	5.5	5.6	5.7	5.8	6.1	6.3
2.57	6 × 6	9d	4.5	4.9	5.2	5.4	5.5	5.6	5.7	5.8	6.1	6.3
3.85	4 × 4	9e	5.5	5.9	6.4	6.7	6.9	7.0	7.2	7.3	7.5	7.7
5.13	3 × 3	9f	6.4	6.9	7.4	7.7	7.9	8.1	8.3	8.5	8.7	8.9
7.70	2 × 2	9g	7.1	8.1	9.1	9.4	9.7	9.9	10.1	10.3	10.6	10.9
4.19	2 × 10	10	6.8	7.4	7.9	9.2	8.4	8.7	8.9	9.1	9.3	9.4
3.05	3 × 10	10a	5.6	6.1	6.5	6.7	6.9	7.1	7.3	7.5	7.6	7.8
2.49	4 × 10	10b	4.8	5.3	5.6	5.8	6.0	6.2	6.4	6.5	6.6	6.7
1.92	6 × 10	10c	4.0	4.3	4.6	4.8	4.9	4.9	5.0	5.2	5.4	5.5
1.94	6 × 6	10d	4.0	4.3	4.6	4.8	4.9	4.9	5.0	5.2	5.4	5.5
2.92	4 × 4	10e	4.8	5.3	5.6	5.8	6.0	6.2	6.4	6.5	6.6	6.7
3.89	3 × 3	10f	5.6	6.1	6.5	6.7	6.9	7.1	7.3	7.5	7.6	7.8
5.83	2 × 2	10g	6.8	7.4	7.9	8.2	8.4	8.7	8.9	9.1	9.3	9.4
3.74	2 × 8	11	6.2	6.7	7.1	7.4	7.7	8.0	8.1	8.2	8.3	8.5
2.68	3 × 8	11a	5.0	5.4	5.8	6.0	6.2	6.4	6.5	6.6	6.8	7.0
2.15	4 × 8	11b	4.3	4.5	4.8	5.1	5.4	5.6	5.7	5.8	5.9	6.0
1.63	6 × 8	11c			4.0	4.2	4.4	4.5	4.6	4.7	4.8	4.9
1.58	6 × 6	11d			4.0	4.2	4.4	4.5	4.6	4.7	4.8	4.9
2.38	4 × 4	11e	4.3	4.5	4.8	5.1	5.4	5.6	5.7	5.8	5.9	6.0
3.17	3 × 3	11f	5.0	5.4	5.8	6.0	6.2	6.4	6.5	6.6	6.8	7.0
4.75	2 × 2	11g	6.2	6.7	7.1	7.4	7.7	8.0	8.1	8.2	8.3	8.5
3.26	2 × 8	12	5.7	6.1	6.5	6.8	7.0	7.2	7.3	7.4	7.6	7.8
2.37	3 × 8	12a	4.7	5.0	5.3	5.6	5.8	5.9	6.0	6.1	6.1	6.2
1.91	4 × 8	12b	4.1	4.3	4.6	4.9	4.9	5.0	5.1	5.2	5.3	5.4
1.47	6 × 8	12c				4.1	4.2	4.2	4.3	4.3	4.3	4.4
1.35	6 × 6	12d				4.1	4.2	4.2	4.3	4.3	4.3	4.4
2.02	4 × 4	12e	4.1	4.3	4.6	4.9	4.9	5.0	5.1	5.2	5.3	5.4
2.69	3 × 3	12f	4.7	5.0	5.3	5.6	5.8	5.9	6.0	6.1	6.1	6.2
2.96	2 × 2	12g	5.7	6.1	6.5	6.8	7.0	7.2	7.3	7.4	7.6	7.8

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 100 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	8.1	9.0	9.9	11.0	12.1	12.9	13.7	14.8	15.4	16.0
9.85	4 × 12	1a	7.3	8.6	9.6	10.6	11.5	12.3	13.1	13.8	14.5	15.0
7.11	6 × 12	1b	7.1	8.1	9.0	9.9	10.7	11.4	11.7	12.0	12.3	12.6
11.0	6 × 6	1c	7.1	8.1	9.0	9.9	10.7	11.4	11.7	12.0	12.3	12.6
10.9	3 × 6	2	7.8	8.8	9.8	10.8	11.8	12.6	13.3	14.1	14.9	15.5
8.57	4 × 12	2a	7.4	8.4	9.4	10.4	11.2	11.9	12.7	13.3	13.6	13.8
6.24	6 × 12	2b	6.8	7.8	8.8	9.6	10.1	10.5	10.7	10.9	11.2	11.5
9.31	6 × 6	2c	6.8	7.8	8.8	9.6	10.1	10.5	10.7	10.9	11.2	11.5
9.94	3 × 6	3	7.5	8.6	9.6	10.5	11.4	12.3	13.1	13.7	14.2	14.6
7.85	4 × 12	3a	7.1	8.2	9.2	10.0	10.8	11.4	11.8	12.1	12.5	12.7
5.76	6 × 12	3b	6.7	7.6	8.6	8.9	9.2	9.4	9.6	9.9	10.1	10.3
8.57	6 × 6	3c	6.7	7.6	8.6	8.9	9.2	9.4	9.6	9.9	10.1	10.3
7.58	3 × 12	4	7.3	8.3	9.3	10.3	10.9	11.4	12.3	13.2	13.4	13.6
5.93	4 × 12	4a	7.0	8.0	8.9	9.8	10.5	10.8	11.0	11.3	11.5	11.7
4.19	6 × 12	4b	6.4	7.4	7.9	8.3	8.5	8.7	8.9	9.2	9.4	9.6
6.61	6 × 6	4c	6.4	7.4	7.9	8.3	8.5	8.7	8.9	9.2	9.4	9.6
9.91	4 × 4	4d	7.0	8.0	8.9	9.8	10.5	10.8	11.0	11.3	11.5	11.7
6.48	3 × 12	5	7.1	8.1	9.0	9.9	10.7	11.4	11.7	12.0	12.3	12.6
5.10	4 × 12	5a	6.7	7.7	8.6	9.3	9.6	9.9	10.1	10.3	10.5	10.7
3.73	6 × 12	5b	6.3	6.8	7.2	7.5	7.8	8.1	8.2	8.4	8.6	8.8
6.41	6 × 6	5c	6.3	6.8	7.2	7.5	7.8	8.1	8.2	8.4	8.6	8.8
8.26	4 × 4	5d	6.7	7.7	8.6	9.3	9.6	9.9	10.1	10.3	10.5	10.7
8.13	2 × 12	6	7.4	8.4	9.4	10.4	11.3	12.0	12.7	13.4	13.9	14.3
5.75	3 × 12	6a	7.0	8.0	9.0	9.7	10.2	10.6	10.8	11.0	11.3	11.5
4.55	4 × 12	6b	6.5	7.5	8.2	8.6	8.9	9.2	9.4	9.6	9.8	10.0
2.87	6 × 12	6c	5.8	6.3	6.7	7.0	7.3	7.5	7.7	7.9	8.0	8.1
4.77	6 × 6	6d	5.8	6.3	6.7	7.0	7.3	7.5	7.7	7.9	8.0	8.1
7.16	4 × 4	6e	6.5	7.5	8.2	8.6	8.9	9.2	9.4	9.6	9.8	10.0
7.56	2 × 10	7	7.1	8.2	9.2	9.9	10.5	11.0	11.5	12.0	12.4	12.6
5.35	3 × 10	7a	6.7	7.6	8.4	8.9	9.2	9.4	9.6	9.8	10.0	10.2
4.24	4 × 10	7b	6.3	7.0	7.7	7.7	7.9	8.1	8.3	8.5	8.7	8.9
3.14	6 × 10	7c	5.2	5.6	6.0	6.2	6.3	6.6	6.9	7.0	7.1	7.2
3.79	6 × 6	7d	5.2	5.6	6.0	6.2	6.3	6.6	6.9	7.0	7.1	7.2
5.69	4 × 4	7e	6.3	7.0	7.7	7.8	7.9	8.1	8.3	8.5	8.7	8.9
7.59	3 × 3	7f	6.7	7.6	8.4	8.9	9.2	9.4	9.6	9.8	10.0	10.2

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports *see* tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 100 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	7.0	8.0	9.0	9.6	10.2	10.5	10.8	11.0	11.2	11.4
4.64	3 × 10	8a	6.5	7.3	7.8	8.1	8.4	8.7	8.9	9.1	9.3	9.5
3.71	4 × 10	8b	5.8	6.3	6.7	7.0	7.3	7.5	7.7	7.9	8.0	8.1
2.69	6 × 10	8c	4.7	5.1	5.5	5.7	5.9	6.1	6.3	6.4	6.5	6.7
3.18	6 × 6	8d	4.7	5.1	5.5	5.7	5.9	6.1	6.3	6.4	6.5	6.7
4.77	4 × 4	8e	5.8	6.3	6.7	7.0	7.3	7.5	7.7	7.9	8.0	8.1
6.36	3 × 3	8f	7.0	8.0	9.0	9.6	10.2	10.5	10.8	11.0	11.2	11.4
5.27	2 × 10	9	6.7	7.6	8.6	8.9	9.2	9.4	9.6	9.9	10.1	10.3
3.78	3 × 10	9a	6.1	6.6	7.0	7.3	7.6	7.7	7.9	8.1	8.3	8.5
3.03	4 × 10	9b	5.2	5.6	6.0	6.3	6.5	6.7	6.9	7.1	7.2	7.3
2.28	6 × 10	9c	4.3	4.6	4.9	5.2	5.3	5.4	5.5	5.6	5.7	5.8
2.57	6 × 6	9d	4.3	4.6	4.9	5.2	5.3	5.4	5.5	5.6	5.7	5.8
3.85	4 × 4	9e	5.2	5.6	6.0	6.3	6.5	6.7	6.9	7.1	7.2	7.3
5.13	3 × 3	9f	6.1	6.6	7.0	7.3	7.6	7.7	7.9	8.1	8.3	8.5
7.70	2 × 2	9g	6.7	7.6	8.6	8.9	9.2	9.4	9.6	9.9	10.1	10.3
4.19	2 × 10	10	6.4	6.9	7.4	7.7	7.9	8.2	8.4	8.6	8.8	9.0
3.05	3 × 10	10a	5.3	5.7	6.1	6.3	6.6	6.9	7.0	7.1	7.3	7.4
2.49	4 × 10	10b	4.6	5.0	5.3	5.5	5.7	5.9	6.1	6.2	6.3	6.4
1.92	6 × 10	10c	3.7	4.0	4.3	4.6	4.6	4.7	4.9	5.0	5.1	5.3
1.94	6 × 6	10d		4.0	4.3	4.6	4.6	4.7	4.9	5.0	5.1	5.3
2.92	4 × 4	10e	4.6	5.0	5.3	5.5	5.7	5.9	6.1	6.2	6.3	6.4
3.89	3 × 3	10f	5.3	5.7	6.1	6.3	6.6	6.9	7.0	7.1	7.3	7.4
5.83	2 × 2	10g	6.4	6.9	7.4	7.7	7.9	8.2	8.4	8.6	8.8	9.0
3.74	2 × 8	11	5.8	6.3	6.7	7.0	7.3	7.5	7.7	7.9	8.0	8.1
2.68	3 × 8	11a	4.7	5.1	5.5	5.7	5.9	6.1	6.3	6.4	6.5	6.7
2.15	4 × 8	11b	4.0	4.4	4.7	5.0	5.1	5.3	5.4	5.5	5.6	5.7
1.63	6 × 8	11c				4.0	4.2	4.3	4.4	4.5	4.6	4.7
1.58	6 × 6	11d				4.0	4.2	4.3	4.4	4.5	4.6	4.7
2.38	4 × 4	11e	4.0	4.4	4.7	5.0	5.1	5.3	5.4	5.5	5.6	5.7
3.17	3 × 3	11f	4.7	5.1	5.5	5.7	5.9	6.1	6.3	6.4	6.5	6.7
4.75	2 × 2	11g	5.8	6.3	6.7	7.0	7.3	7.5	7.7	7.9	8.0	8.1
3.26	2 × 8	12	5.4	5.8	6.2	6.4	6.6	6.8	7.0	7.1	7.3	7.4
2.37	3 × 8	12a	4.4	4.7	5.0	5.3	5.5	5.7	5.8	5.8	5.9	6.0
1.91	4 × 8	12b		4.1	4.4	4.6	4.7	4.8	4.9	5.0	5.2	5.3
1.47	6 × 8	12c					4.0	4.0	4.1	4.1	4.2	4.2
1.35	6 × 6	12d					4.0	4.0	4.1	4.1	4.2	4.2
2.02	4 × 4	12e		4.1	4.4	4.6	4.7	4.8	4.9	5.0	5.2	5.3
2.69	3 × 3	12f	4.4	4.7	5.0	5.3	5.5	5.7	5.8	5.8	5.9	6.0
2.96	2 × 2	12g	5.4	5.8	6.2	6.4	6.6	6.8	7.0	7.1	7.3	7.4

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 112 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	7.7	8.7	9.7	10.6	11.6	12.5	13.2	14.1	14.8	15.6
9.85	4 × 12	1a	7.0	8.3	9.3	10.2	11.1	11.9	12.6	13.4	14.0	14.6
7.11	6 × 12	1b	6.8	7.8	8.7	9.5	10.3	11.0	11.3	11.6	11.8	12.2
11.0	6 × 6	1c	6.8	7.8	8.7	9.5	10.3	11.0	11.3	11.6	11.8	12.2
10.9	3 × 6	2	7.5	8.5	9.5	10.4	11.3	12.1	12.9	13.7	14.4	15.0
8.57	4 × 12	2a	7.1	8.1	9.0	9.9	10.8	11.7	12.3	12.8	13.2	13.5
6.24	6 × 12	2b	6.6	7.6	8.5	9.3	9.8	10.1	10.2	10.5	10.9	11.1
9.31	6 × 6	2c	6.6	7.6	8.5	9.3	9.8	10.1	10.2	10.5	10.9	11.1
9.94	3 × 6	3	7.2	8.2	9.2	10.1	11.0	11.9	12.7	13.2	13.8	14.2
7.85	4 × 12	3a	6.8	7.8	8.8	9.6	10.4	11.2	11.5	11.7	12.1	12.4
5.76	6 × 12	3b	6.4	7.3	8.2	8.6	8.9	9.1	9.3	9.5	9.8	10.0
8.57	6 × 6	3c	6.4	7.3	8.2	8.6	8.9	9.1	9.3	9.5	9.8	10.0
7.58	3 × 12	4	7.0	8.0	9.0	9.9	10.7	11.2	11.6	12.8	13.0	13.2
5.93	4 × 12	4a	6.7	7.7	8.5	9.4	9.9	10.4	10.6	10.9	11.1	11.4
4.19	6 × 12	4b	6.2	7.1	7.6	8.0	8.2	8.4	8.6	8.9	9.1	9.3
6.61	6 × 6	4c	6.2	7.1	7.6	8.0	8.2	8.4	8.6	8.9	9.1	9.3
9.91	4 × 4	4d	6.7	7.7	8.5	9.4	9.9	10.4	10.6	10.9	11.1	11.4
6.48	3 × 12	5	6.8	7.8	8.7	9.5	10.3	11.0	11.3	11.6	11.8	12.2
5.10	4 × 12	5a	6.4	7.4	8.3	8.9	9.2	9.6	9.7	9.9	10.1	10.3
3.73	6 × 12	5b	6.0	6.5	6.9	7.2	7.5	7.8	8.0	8.2	8.4	8.6
6.41	6 × 6	5c	6.0	6.5	6.9	7.2	7.5	7.8	8.0	8.2	8.4	8.6
8.26	4 × 4	5d	6.4	7.4	8.3	8.9	9.2	9.6	9.7	9.9	10.1	10.3
8.13	2 × 12	6	7.1	8.1	9.1	10.0	10.8	11.6	12.3	12.9	13.4	13.9
5.75	3 × 12	6a	6.7	7.6	8.6	9.3	9.9	10.3	10.5	10.7	10.9	11.2
4.55	4 × 12	6b	6.3	7.2	7.7	8.2	8.6	8.9	9.0	9.2	9.4	9.6
2.87	6 × 12	6c	5.6	6.0	6.4	6.7	7.0	7.2	7.3	7.5	7.7	7.8
4.77	6 × 6	6d	5.6	6.0	6.4	6.7	7.0	7.2	7.3	7.5	7.7	7.8
7.16	4 × 4	6e	6.3	7.2	7.7	8.2	8.6	8.9	9.0	9.2	9.4	9.6
7.56	2 × 10	7	6.8	7.8	8.7	9.5	10.4	10.9	11.3	11.6	12.0	12.2
5.35	3 × 10	7a	6.4	7.3	8.1	8.6	8.9	9.2	9.4	9.6	9.7	9.8
4.24	4 × 10	7b	6.0	6.6	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6
3.14	6 × 10	7c	5.0	5.4	5.8	6.0	6.2	6.4	6.6	6.7	6.8	7.0
3.79	6 × 6	7d	5.0	5.4	5.8	6.0	6.2	6.4	6.6	6.7	6.8	7.0
5.69	4 × 4	7e	6.0	6.6	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6
7.59	3 × 3	7f	6.4	7.3	8.1	8.6	8.9	9.2	9.4	9.6	9.7	9.8

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 112 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	6.6	7.6	8.6	9.2	9.9	10.3	10.5	10.7	10.9	11.1
4.64	3 × 10	8a	6.2	7.0	7.5	7.8	8.0	8.2	8.5	8.7	8.9	9.2
3.71	4 × 10	8b	5.6	6.0	6.4	6.7	7.0	7.2	7.3	7.5	7.7	7.8
2.69	6 × 10	8c	4.5	4.9	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.5
3.18	6 × 6	8d	4.5	4.9	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.5
4.77	4 × 4	8e	5.6	6.0	6.4	6.7	7.0	7.2	7.3	7.5	7.7	7.8
6.36	3 × 3	8f	6.2	7.0	7.5	7.8	8.0	8.2	8.5	8.7	8.9	9.2
5.27	2 × 10	9	6.4	7.3	8.2	8.6	8.9	9.1	9.3	9.5	9.8	10.0
3.78	3 × 10	9a	5.8	6.3	6.7	7.0	7.2	7.4	7.6	7.8	8.0	8.2
3.03	4 × 10	9b	5.0	5.4	5.8	6.1	6.3	6.5	6.6	6.8	7.0	7.1
2.28	6 × 10	9c	4.1	4.4	4.7	5.0	5.1	5.2	5.3	5.4	5.6	5.8
2.57	6 × 6	9d	4.1	4.4	4.7	5.0	5.1	5.2	5.3	5.4	5.6	5.8
3.85	4 × 4	9e	5.0	5.4	5.8	6.1	6.3	6.5	6.6	6.8	7.0	7.1
5.13	3 × 3	9f	5.8	6.3	6.7	7.0	7.2	7.4	7.6	7.8	8.0	8.2
7.70	2 × 2	9g	6.4	7.3	8.2	8.6	8.9	9.1	9.3	9.5	9.8	10.0
4.19	2 × 10	10	6.1	6.7	7.2	7.5	7.8	8.0	8.2	8.4	8.6	8.8
3.05	3 × 10	10a	5.1	5.5	5.8	6.1	6.4	6.7	6.8	6.9	7.0	7.2
2.49	4 × 10	10b	4.4	4.8	5.1	5.3	5.6	5.8	5.9	6.0	6.1	6.2
1.92	6 × 10	10c			4.2	4.4	4.5	4.6	4.7	4.8	4.9	5.0
1.94	6 × 6	10d			4.2	4.4	4.5	4.6	4.7	4.8	4.9	5.0
2.92	4 × 4	10e	4.4	4.8	5.1	5.3	5.6	5.8	5.9	6.0	6.1	6.2
3.89	3 × 3	10f	5.1	5.5	5.8	6.1	6.4	6.7	6.8	6.9	7.0	7.2
5.83	2 × 2	10g	6.1	6.7	7.2	7.5	7.8	8.0	8.2	8.4	8.6	8.8
3.74	2 × 8	11	5.6	6.0	6.4	6.7	7.0	7.2	7.3	7.5	7.7	7.8
2.68	3 × 8	11a	4.5	4.9	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.5
2.15	4 × 8	11b		4.1	4.4	4.7	4.9	5.1	5.2	5.4	5.4	5.5
1.63	6 × 8	11c				4.0	4.0	4.1	4.2	4.3	4.4	4.5
1.58	6 × 6	11d				4.0	4.0	4.1	4.2	4.3	4.4	4.5
2.38	4 × 4	11e		4.1	4.4	4.7	4.9	5.1	5.2	5.4	5.4	5.5
3.17	3 × 3	11f	4.5	4.9	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.5
4.75	2 × 2	11g	5.6	6.0	6.4	6.7	7.0	7.2	7.3	7.5	7.7	7.8
3.26	2 × 8	12	5.1	5.6	6.0	6.2	6.4	6.6	6.7	6.8	6.9	7.2
2.37	3 × 8	12a	4.2	4.5	4.8	5.1	5.3	5.5	5.6	5.6	5.7	5.8
1.91	4 × 8	12b			4.2	4.4	4.5	4.6	4.7	4.8	5.0	5.2
1.47	6 × 8	12c							4.0	4.0	4.0	4.1
1.35	6 × 6	12d							4.0	4.0	4.0	4.1
2.02	4 × 4	12e			4.2	4.4	4.5	4.6	4.7	4.8	5.0	5.2
2.69	3 × 3	12f	4.2	4.5	4.8	5.1	5.3	5.5	5.6	5.6	5.7	5.8
2.96	2 × 2	12g	5.1	5.6	6.0	6.2	6.4	6.6	6.7	6.8	6.9	7.2

NOTE.

The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 120 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	7.5	8.5	9.5	10.4	11.4	12.2	13.0	13.8	14.6	15.2
9.85	4 × 12	1a	6.8	8.1	9.1	10.0	10.8	11.6	12.4	13.1	13.8	14.3
7.11	6 × 12	1b	6.6	7.6	8.5	9.3	10.1	10.7	10.9	11.3	11.6	12.0
11.0	6 × 6	1c	6.6	7.6	8.5	9.3	10.1	10.7	10.9	11.3	11.6	12.0
10.9	3 × 6	2	7.4	8.3	9.3	10.2	11.1	11.9	12.6	13.4	14.1	14.7
8.57	4 × 12	2a	6.9	7.9	8.9	9.7	10.5	11.3	12.0	12.6	12.9	13.2
6.24	6 × 12	2b	6.5	7.4	8.3	9.1	9.6	9.9	10.1	10.3	10.6	10.9
9.31	6 × 6	2c	6.5	7.4	8.3	9.1	9.6	9.9	10.1	10.3	10.6	10.9
9.94	3 × 6	3	7.0	8.0	9.0	9.9	10.7	11.6	12.4	13.0	13.5	14.0
7.85	4 × 12	3a	6.6	7.6	8.6	9.4	10.2	10.9	11.2	11.5	11.8	12.1
5.76	6 × 12	3b	6.2	7.1	8.0	8.4	8.6	8.8	9.1	9.3	9.6	9.8
8.57	6 × 6	3c	6.2	7.1	8.0	8.4	8.6	8.8	9.1	9.3	9.6	9.8
7.58	3 × 12	4	6.8	7.8	8.8	9.7	10.4	11.1	11.8	12.3	12.7	12.9
5.93	4 × 12	4a	6.4	7.4	8.3	9.2	9.9	10.2	10.5	10.8	10.9	11.1
4.19	6 × 12	4b	6.0	7.0	7.4	7.8	8.0	8.3	8.5	8.8	9.0	9.2
6.61	6 × 6	4c	6.0	7.0	7.4	7.8	8.0	8.3	8.5	8.8	9.0	9.2
9.991	4 × 4	4d	6.4	7.4	8.3	9.2	9.9	10.2	10.5	10.8	10.9	11.1
6.48	3 × 12	5	6.6	7.6	8.5	9.3	10.1	10.7	10.9	11.3	11.6	12.0
5.10	4 × 12	5a	6.2	7.2	8.1	8.7	9.0	9.3	9.5	9.7	10.0	10.2
3.73	6 × 12	5b	5.9	6.3	6.7	7.1	7.4	7.7	7.8	8.0	8.1	8.3
6.41	6 × 6	5c	5.9	6.3	6.7	7.1	7.4	7.7	7.8	8.0	8.1	8.3
8.26	4 × 4	5d	6.2	7.2	8.1	8.7	9.0	9.3	9.5	9.7	10.0	10.2
8.13	2 × 12	6	6.9	7.9	8.9	9.7	10.6	11.4	12.1	12.7	13.2	13.6
5.75	3 × 12	6a	6.5	7.4	8.3	9.1	9.7	10.0	10.2	10.4	10.7	11.0
4.55	4 × 12	6b	6.1	7.0	7.7	8.0	8.3	8.6	8.8	9.0	9.3	9.5
2.87	6 × 12	6c	5.5	5.9	6.3	6.6	6.9	7.0	7.2	7.3	7.5	7.7
4.77	6 × 6	6d	5.5	5.9	6.3	6.6	6.9	7.0	7.2	7.3	7.5	7.7
7.16	4 × 4	6e	6.1	7.0	7.7	8.0	8.3	8.6	8.8	9.0	9.3	9.5
7.56	2 × 10	7	6.6	7.6	8.5	9.3	10.1	10.7	11.1	11.4	11.8	12.0
5.35	3 × 10	7a	6.2	7.1	7.9	8.4	8.7	9.0	9.2	9.4	9.6	9.8
4.24	4 × 10	7b	5.9	6.4	7.0	7.3	7.5	7.7	7.9	8.1	8.3	8.5
3.14	6 × 10	7c	4.9	5.2	5.5	5.8	6.1	6.3	6.5	6.6	6.7	6.9
3.79	6 × 6	7d	4.9	5.2	5.5	5.8	6.1	6.3	6.5	6.6	6.7	6.9
5.69	4 × 4	7e	5.9	6.4	7.0	7.3	7.5	7.7	7.9	8.1	8.3	8.5
7.59	3 × 3	7f	6.2	7.1	7.9	8.4	8.7	9.0	9.2	9.4	9.6	9.8

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 120 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	6.5	7.4	8.3	9.0	9.7	10.0	10.2	10.4	10.7	10.9
4.64	3 × 10	8a	6.0	6.8	7.3	7.7	7.9	8.2	8.4	8.6	8.8	9.0
3.71	4 × 10	8b	5.5	5.9	6.3	6.6	6.9	7.0	7.2	7.3	7.5	7.7
2.69	6 × 10	8c	4.4	4.8	5.1	5.4	5.6	5.8	5.9	6.0	6.2	6.4
3.18	6 × 6	8d	4.4	4.8	5.1	5.4	5.6	5.8	5.9	6.0	6.2	6.4
4.77	4 × 4	8e	5.5	5.9	6.3	6.6	6.9	7.0	7.2	7.3	7.5	7.7
6.36	3 × 3	8f	6.0	6.8	7.3	7.7	7.9	8.2	8.4	8.6	8.8	9.0
5.27	2 × 10	9	6.2	7.1	8.0	8.4	8.6	8.8	9.1	9.3	9.6	9.8
3.78	3 × 10	9a	5.7	6.1	6.5	6.9	7.1	7.3	7.5	7.7	7.9	8.1
3.03	4 × 10	9b	4.9	5.2	5.6	5.9	6.1	6.3	6.5	6.7	6.8	7.0
2.28	6 × 10	9c		4.3	4.6	4.9	5.0	5.1	5.2	5.3	5.5	5.7
2.57	6 × 6	9d		4.3	4.6	4.9	5.0	5.1	5.2	5.3	5.5	5.7
3.85	4 × 4	9e	4.9	5.2	5.6	5.9	6.1	6.3	6.5	6.7	6.8	7.0
5.13	3 × 3	9f	5.7	6.1	6.5	6.9	7.1	7.3	7.5	7.7	7.9	8.1
7.70	2 × 2	9g	6.2	7.1	8.0	8.4	8.6	8.8	9.1	9.3	9.6	9.8
4.19	2 × 10	10	6.0	6.5	7.0	7.3	7.6	7.9	8.0	8.2	8.3	8.5
3.05	3 × 10	10a	4.9	5.3	5.7	6.0	6.2	6.5	6.6	6.8	6.9	7.1
2.49	4 × 10	10b	4.4	4.7	5.0	5.2	5.4	5.6	5.7	5.8	5.9	6.1
1.92	6 × 10	10c			4.1	4.2	4.3	4.4	4.6	4.8	4.9	5.0
1.94	6 × 6	10d			4.1	4.2	4.3	4.4	4.6	4.8	4.9	5.0
2.92	4 × 4	10e	4.4	4.7	5.0	5.2	5.4	5.6	5.7	5.8	5.9	6.1
3.89	3 × 3	10f	4.9	5.3	5.7	6.0	6.2	6.5	6.6	6.8	6.9	7.1
5.83	2 × 2	10g	6.0	6.5	7.0	7.3	7.6	7.9	8.0	8.2	8.3	8.5
3.74	2 × 8	11	5.5	5.9	6.3	6.6	6.9	7.0	7.2	7.3	7.5	7.7
2.68	3 × 8	11a	4.4	4.8	5.1	5.4	5.6	5.8	5.9	6.0	6.2	6.4
2.15	4 × 8	11b		4.0	4.3	4.6	4.8	5.0	5.1	5.2	5.3	5.4
1.63	6 × 8	11c					4.0	4.0	4.2	4.3	4.4	4.4
1.58	6 × 6	11d					4.0	4.0	4.2	4.3	4.4	4.4
2.38	4 × 4	11e		4.0	4.3	4.6	4.8	5.0	5.1	5.2	5.3	5.4
3.17	3 × 3	11f	4.4	4.8	5.1	5.4	5.6	5.8	5.9	6.0	6.2	6.4
4.75	2 × 2	11g	5.5	5.9	6.3	6.6	6.9	7.0	7.2	7.3	7.5	7.7
3.26	2 × 8	12	5.0	5.4	5.7	6.0	6.2	6.5	6.6	6.7	6.9	7.1
2.37	3 × 8	12a	4.1	4.4	4.7	5.0	5.2	5.3	5.4	5.5	5.6	5.7
1.91	4 × 8	12b			4.2	4.3	4.5	4.5	4.6	4.7	4.9	5.0
1.47	6 × 8	12c									4.0	4.0
1.35	6 × 6	12d									4.0	4.0
2.02	4 × 4	12e			4.2	4.3	4.4	4.5	4.6	4.7	4.9	5.0
2.69	3 × 3	12f	4.1	4.4	4.7	5.0	5.2	5.3	5.4	5.5	5.6	5.7
2.96	2 × 2	12g	5.0	5.4	5.7	6.0	6.2	6.5	6.6	6.7	6.9	7.1

NOTE.

The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 150 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	6.8	7.7	8.7	9.6	10.5	11.3	12.1	12.8	13.6	14.2
9.85	4 × 12	1a	6.2	7.3	8.3	9.2	10.0	10.8	11.5	12.2	12.8	13.4
7.11	6 × 12	1b	6.1	7.0	7.8	8.6	9.4	10.0	10.3	1.05	10.8	11.1
11.0	6 × 6	1c	6.1	7.0	7.8	8.6	9.4	10.0	10.3	10.5	10.8	11.1
10.9	3 × 6	2	6.7	7.6	8.5	9.4	10.2	11.1	11.7	12.4	13.2	13.8
8.57	4 × 12	2a	6.3	7.2	8.2	9.0	9.8	10.5	11.1	11.7	12.0	12.4
6.24	6 × 12	2b	5.9	6.8	7.7	8.4	8.8	9.2	9.4	9.6	10.0	10.2
9.31	6 × 6	2c	5.9	6.8	7.7	8.4	8.8	9.2	9.4	9.6	10.0	10.2
9.94	3 × 6	3	6.4	7.4	8.3	9.1	9.9	10.8	11.5	12.0	12.6	13.0
7.85	4 × 12	3a	6.1	7.0	7.8	8.7	9.4	10.1	10.4	10.7	11.0	11.3
5.76	6 × 12	3b	5.7	6.6	7.4	7.7	8.0	8.2	8.5	8.7	9.0	9.2
8.57	6 × 6	3c	5.7	6.6	7.4	7.7	8.0	8.2	8.5	8.7	9.0	9.2
7.58	3 × 12	4	6.3	7.2	8.1	8.9	9.7	10.0	10.5	11.0	11.5	12.0
5.93	4 × 12	4a	6.0	6.8	7.6	8.5	9.1	9.5	9.7	10.0	10.2	10.3
4.19	6 × 12	4b	5.5	6.4	6.8	7.1	7.4	7.7	8.0	8.2	8.4	8.6
6.61	6 × 6	4c	5.5	6.4	6.8	7.1	7.4	7.7	8.0	8.2	8.4	8.6
9.91	4 × 4	4d	6.0	6.8	7.6	8.5	9.1	9.5	9.7	10.0	10.2	10.3
6.48	3 × 12	5	6.1	7.0	7.8	8.6	9.4	10.0	10.3	10.5	10.8	11.1
5.10	4 × 12	5a	5.7	6.6	7.4	8.0	8.3	8.7	8.8	9.0	9.2	9.5
3.73	6 × 12	5b	5.4	5.8	6.2	6.5	6.8	7.1	7.3	7.4	7.6	7.8
6.41	6 × 6	5c	5.4	5.8	6.2	6.5	6.8	7.1	7.3	7.4	7.6	7.8
8.26	4 × 4	5d	5.7	6.6	7.4	8.0	8.3	8.7	8.8	9.0	9.2	9.5
8.13	2 × 12	6	6.3	7.3	8.1	9.0	9.8	10.5	11.2	11.8	12.3	12.7
5.75	3 × 12	6a	6.0	6.8	7.7	8.4	8.9	9.4	9.6	9.8	10.0	10.3
4.55	4 × 12	6b	5.6	6.5	7.1	7.4	7.7	8.0	8.2	8.4	8.7	8.9
2.87	6 × 12	6c	5.0	5.4	5.8	6.1	6.4	6.5	6.7	6.9	7.1	7.2
4.77	6 × 6	6d	5.0	5.4	5.8	6.1	6.4	6.5	6.7	6.9	7.1	7.2
7.16	4 × 4	6e	5.6	6.5	7.1	7.4	7.7	8.0	8.2	8.4	8.7	8.9
7.56	2 × 10	7	6.1	7.0	7.9	8.6	9.4	9.9	10.3	10.6	11.0	11.2
5.35	3 × 10	7a	5.7	6.5	7.3	7.7	8.0	8.4	8.5	8.7	8.9	9.1
4.24	4 × 10	7b	5.4	5.9	5.3	6.7	6.9	7.1	7.3	7.5	7.8	7.9
3.14	6 × 10	7c	4.4	4.7	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.4
3.79	6 × 6	7d	4.4	4.7	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.4
5.69	4 × 4	7e	5.4	5.9	5.3	6.7	6.9	7.1	7.3	7.5	7.8	7.9
7.59	3 × 3	7f	5.7	6.5	7.3	7.7	8.0	8.4	8.5	8.7	8.9	9.1

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 150 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	6.0	6.8	7.7	8.3	8.9	9.4	9.6	9.8	10.0	10.2
4.64	3 × 10	8a	5.5	6.2	6.7	7.0	7.3	7.6	7.8	8.0	8.2	8.4
3.71	4 × 10	8b	5.0	5.4	5.8	6.1	6.4	6.5	6.7	6.9	7.1	7.2
2.69	6 × 10	8c	4.0	4.4	4.7	5.0	5.2	5.4	5.5	5.6	5.7	5.9
3.18	6 × 6	8d	4.0	4.4	4.7	5.0	5.2	5.4	5.5	5.6	5.7	5.9
4.77	4 × 4	8e	5.0	5.4	5.8	6.1	6.4	6.5	6.7	6.9	7.1	7.2
6.36	3 × 3	8f	5.5	6.2	6.7	7.0	7.3	7.6	7.8	8.0	8.2	8.4
5.27	2 × 10	9	5.7	6.6	7.4	7.7	8.0	8.2	8.5	8.7	9.0	9.2
3.78	3 × 10	9a	5.2	5.6	6.0	6.3	6.6	6.8	7.0	7.2	7.4	7.6
3.03	4 × 10	9b	4.5	4.9	5.2	5.5	5.7	5.9	6.0	6.2	6.4	6.5
2.28	6 × 10	9c		4.0	4.3	4.5	4.6	4.7	4.8	4.9	5.0	5.2
2.57	6 × 6	9d		4.0	4.3	4.5	4.6	4.7	4.8	4.9	5.0	5.2
3.85	4 × 4	9e	4.5	4.9	5.2	5.5	5.7	5.9	6.0	6.2	6.4	6.5
5.13	3 × 3	9f	5.2	5.6	6.0	6.3	6.6	6.8	7.0	7.2	7.4	7.6
7.70	2 × 2	9g	5.7	6.6	7.4	7.7	8.0	8.2	8.5	8.7	9.0	9.2
4.19	2 × 10	10	5.4	6.0	6.4	6.7	7.0	7.3	7.5	7.7	7.9	8.1
3.05	3 × 10	10a	4.5	4.9	5.2	5.5	5.7	6.0	6.2	6.3	6.4	6.6
2.49	4 × 10	10b		4.3	4.6	4.7	4.9	5.1	5.3	5.4	5.6	5.7
1.92	6 × 10	10c				4.0	4.0	4.1	4.2	4.3	4.5	4.7
1.94	6 × 6	10d				4.0	4.0	4.1	4.2	4.3	4.5	4.7
2.92	4 × 4	10e		4.3	4.6	4.7	4.9	5.1	5.3	5.4	5.6	5.7
3.89	3 × 3	10f	4.5	4.9	5.2	5.5	5.7	6.0	6.2	6.3	6.4	6.6
5.83	2 × 2	10g	5.4	6.0	6.4	6.7	7.0	7.3	7.5	7.7	7.9	8.1
3.74	2 × 8	11	5.0	5.4	5.8	6.1	6.4	6.5	6.7	6.9	7.1	7.2
2.68	3 × 8	11a	4.0	4.4	4.7	5.0	5.2	5.4	5.5	5.6	5.7	5.9
2.15	4 × 8	11b				4.1	4.3	4.5	4.7	4.9	5.0	5.1
1.63	6 × 8	11c								4.0	4.1	4.1
1.58	6 × 6	11d								4.0	4.1	4.1
2.38	4 × 4	11e				4.1	4.3	4.5	4.7	4.9	5.0	5.1
3.17	3 × 3	11f	4.0	4.4	4.7	5.0	5.2	5.4	5.5	5.6	5.7	5.9
4.75	2 × 2	11g	5.0	5.4	5.8	6.1	6.4	6.5	6.7	6.9	7.1	7.2
3.26	2 × 8	12	4.6	5.0	5.3	5.6	5.8	6.0	6.1	6.3	6.5	6.6
2.37	3 × 8	12a		4.0	4.4	4.7	4.9	5.0	5.1	5.2	5.2	5.3
1.91	4 × 8	12b				4.0	4.1	4.1	4.3	4.5	4.6	4.7
1.47	6 × 8	12c										
1.35	6 × 6	12d										
2.02	4 × 4	12e				4.0	4.1	4.1	4.3	4.5	4.6	4.7
2.69	3 × 3	12f		4.0	4.4	4.7	4.9	5.0	5.1	5.2	5.2	5.3
2.96	2 × 2	12g	4.6	5.0	5.3	5.6	5.8	6.0	6.1	6.3	6.5	6.6

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 200 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	6.1	6.9	7.8	8.6	9.5	10.2	10.9	11.6	12.3	13.0
9.85	4 × 12	1a	5.5	6.5	7.5	8.2	9.0	9.7	10.4	11.0	11.6	12.2
7.11	6 × 12	1b	5.4	6.2	7.0	7.7	8.4	8.9	9.2	9.5	9.8	10.2
11.0	6 × 6	1c	5.4	6.2	7.0	7.7	8.4	8.9	9.2	9.5	9.8	10.2
10.9	3 × 6	2	5.9	6.8	7.6	8.4	9.2	9.9	10.6	11.3	11.9	12.5
8.57	4 × 12	2a	5.6	6.5	7.4	8.1	8.7	9.4	10.0	10.7	10.9	11.2
6.24	6 × 12	2b	5.2	6.0	6.8	7.5	7.9	8.3	8.5	8.7	9.0	9.3
9.31	6 × 6	2c	5.2	6.0	6.8	7.5	7.9	8.3	8.5	8.7	9.0	9.3
9.94	3 × 6	3	5.7	6.6	7.4	8.2	8.9	9.7	10.4	10.9	11.4	11.9
7.85	4 × 12	3a	5.4	6.3	7.0	7.8	8.5	9.1	9.4	9.7	10.0	10.3
5.76	6 × 12	3b	5.0	5.8	6.6	6.9	7.2	7.4	7.7	7.9	8.1	8.3
8.57	6 × 6	3c	5.0	5.8	6.6	6.9	7.2	7.4	7.7	7.9	8.1	8.3
7.58	3 × 12	4	5.6	6.4	7.2	8.0	8.7	9.4	10.0	10.5	10.7	11.0
5.93	4 × 12	4a	5.3	6.1	6.7	7.4	8.1	8.6	8.8	9.0	9.3	9.5
4.19	6 × 12	4b	4.9	5.7	6.1	6.4	6.7	7.0	7.2	7.5	7.6	7.8
6.61	6 × 6	4c	4.9	5.7	6.1	6.4	6.7	7.0	7.2	7.5	7.6	7.8
9.91	4 × 4	4d	5.3	6.1	6.7	7.4	8.1	8.6	8.8	9.0	9.3	9.5
6.48	3 × 12	5	5.4	6.2	7.0	7.7	8.4	8.9	9.2	9.5	9.8	10.2
5.10	4 × 12	5a	5.1	5.9	6.6	7.2	7.5	7.8	8.0	8.2	8.5	8.7
3.73	6 × 12	5b	4.8	5.2	5.6	5.9	6.1	6.4	6.6	6.8	7.0	7.1
6.41	6 × 6	5c	4.8	5.2	5.6	5.9	6.1	6.4	6.6	6.8	7.0	7.1
8.26	4 × 4	5d	5.1	5.9	6.6	7.2	7.5	7.8	8.0	8.2	8.5	8.7
8.13	2 × 12	6	5.6	6.6	7.3	8.1	8.9	9.5	10.1	10.8	11.1	11.5
5.75	3 × 12	6a	5.3	6.1	6.9	7.5	8.0	8.4	8.6	8.8	9.1	9.3
4.55	4 × 12	6b	5.0	5.7	6.4	6.7	7.0	7.3	7.4	7.6	7.9	8.1
2.87	6 × 12	6c	4.4	4.8	5.1	5.5	5.8	5.9	6.0	6.2	6.4	6.6
4.77	6 × 6	6d	4.4	4.8	5.1	5.5	5.8	5.9	6.0	6.2	6.4	6.6
7.16	4 × 4	6e	5.0	5.7	6.4	6.7	7.0	7.3	7.4	7.6	7.9	8.1
7.56	2 × 10	7	5.4	6.3	7.0	7.7	8.4	8.9	9.3	9.6	9.9	10.2
5.35	3 × 10	7a	5.1	5.8	6.5	7.0	7.2	7.5	7.7	7.8	8.0	8.2
4.24	4 × 10	7b	4.8	5.3	5.8	6.0	6.2	6.5	6.6	6.8	7.0	7.2
3.14	6 × 10	7c	4.0	4.2	4.5	4.8	5.1	5.3	5.5	5.6	5.7	5.9
3.79	6 × 6	7d	4.0	4.2	4.5	4.8	5.1	5.3	5.5	5.6	5.7	5.9
5.69	4 × 4	7e	4.8	5.3	5.8	6.0	6.2	6.5	6.6	6.8	7.0	7.2
7.59	3 × 3	7f	5.1	5.8	6.5	7.0	7.2	7.5	7.7	7.8	8.0	8.2

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 200 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	5.3	6.1	6.8	7.4	8.0	8.4	8.6	8.8	9.0	9.3
4.64	3 × 10	8a	4.9	5.5	6.0	6.3	6.6	6.9	7.1	7.3	7.5	7.7
3.71	4 × 10	8b	4.4	4.8	5.1	5.5	5.8	5.9	6.0	6.2	6.4	6.6
2.69	6 × 10	8c			4.2	4.5	4.6	4.8	5.0	5.1	5.3	5.4
3.18	6 × 6	8d			4.2	4.5	4.6	4.8	5.0	5.1	5.3	5.4
4.77	4 × 4	8e	4.4	4.8	5.1	5.5	5.8	5.9	6.0	6.2	6.4	6.6
6.36	3 × 3	8f	4.9	5.5	6.0	6.3	6.6	6.9	7.1	7.3	7.5	7.7
5.27	2 × 10	9	5.0	5.8	6.6	6.9	7.2	7.4	7.7	7.9	8.1	8.3
3.78	3 × 10	9a	4.6	5.0	5.4	5.7	5.9	6.1	6.3	6.5	6.7	6.9
3.03	4 × 10	9b	4.0	4.3	4.7	4.9	5.1	5.3	5.5	5.7	5.8	6.0
2.28	6 × 10	9c				4.0	4.1	4.2	4.3	4.4	4.6	4.8
2.57	6 × 6	9d				4.0	4.1	4.2	4.3	4.4	4.6	4.8
3.85	4 × 4	9e	4.0	4.3	4.7	4.9	5.1	5.3	5.5	5.7	5.8	6.0
5.13	3 × 3	9f	4.6	5.0	5.4	5.7	5.9	6.1	6.3	6.5	6.7	6.9
7.70	2 × 2	9g	5.0	5.8	6.6	6.9	7.2	7.4	7.7	7.9	8.1	8.3
4.19	2 × 10	10	4.8	5.3	5.8	6.0	6.3	6.5	6.7	6.9	7.1	7.3
3.05	3 × 10	10a	4.0	4.4	4.7	5.0	5.2	5.4	5.6	5.7	5.9	6.1
2.49	4 × 10	10b			4.1	4.2	4.5	4.7	4.8	4.9	5.0	5.1
1.92	6 × 10	10c								4.0	4.1	4.2
1.94	6 × 6	10d								4.0	4.1	4.2
2.92	4 × 4	10e			4.1	4.2	4.5	4.7	4.8	4.9	5.0	5.1
3.89	3 × 3	10f	4.0	4.4	4.7	5.0	5.2	5.4	5.6	5.7	5.9	6.1
5.83	2 × 2	10g	4.8	5.3	5.8	6.0	6.3	6.5	6.7	6.9	7.1	7.3
3.74	2 × 8	11	4.4	4.8	5.1	5.5	5.8	5.9	6.0	6.2	6.4	6.6
2.68	3 × 8	11a			4.2	4.5	4.6	4.8	5.0	5.1	5.3	5.4
2.15	4 × 8	11b				4.0	4.1	4.2	4.3	4.4	4.5	4.6
1.63	6 × 8	11c										
1.58	6 × 6	11d										
2.38	4 × 4	11e				4.0	4.1	4.2	4.3	4.4	4.5	4.6
3.17	3 × 3	11f			4.2	4.5	4.6	4.8	5.0	5.1	5.3	5.4
4.75	2 × 2	11g	4.4	4.8	5.1	5.5	5.8	5.9	6.0	6.2	6.4	6.6
3.26	2 × 8	12	4.1	4.4	4.7	5.0	5.2	5.4	5.6	5.7	5.9	6.0
2.37	3 × 8	12a				4.1	4.3	4.5	4.6	4.6	4.7	4.8
1.91	4 × 8	12b								4.0	4.2	4.3
1.47	6 × 8	12c										
1.35	6 × 6	12d										
2.02	4 × 4	12e								4.0	4.2	4.3
2.69	3 × 3	12f				4.1	4.3	4.5	4.6	4.6	4.7	4.8
2.96	2 × 2	12g	4.1	4.4	4.7	5.0	5.2	5.4	5.6	5.7	5.9	6.0

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports *see* tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 224 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	5.7	6.6	7.5	8.2	9.0	9.7	10.4	11.1	11.8	12.5
9.85	4 × 12	1a	5.3	6.3	7.1	7.9	8.6	9.3	9.9	10.6	11.2	11.7
7.11	6 × 12	1b	5.2	5.9	6.6	7.4	8.0	8.4	8.7	9.1	9.4	9.7
11.0	6 × 6	1c	5.2	5.9	6.6	7.4	8.0	8.4	8.7	9.1	9.4	9.7
10.9	3 × 6	2	5.6	6.4	7.3	8.0	8.7	9.5	10.1	10.8	11.5	12.1
8.57	4 × 12	2a	5.4	6.2	7.1	7.7	8.4	9.0	9.6	10.2	10.5	10.8
6.24	6 × 12	2b	5.0	5.7	6.5	7.2	7.5	7.9	8.1	8.4	8.7	8.9
9.31	6 × 6	2c	5.0	5.7	6.5	7.2	7.5	7.9	8.1	8.4	8.7	8.9
9.94	3 × 6	3	5.4	6.3	7.1	7.8	8.5	9.2	10.0	10.5	11.0	11.4
7.85	4 × 12	3a	5.1	6.0	6.7	7.3	8.0	8.7	9.0	9.3	9.6	9.8
5.76	6 × 12	3b	5.0	5.6	6.3	6.7	7.1	7.2	7.4	7.6	7.8	8.0
8.57	6 × 6	3c	5.0	5.6	6.3	6.7	7.1	7.2	7.4	7.6	7.8	8.0
7.58	3 × 12	4	5.3	6.1	6.9	7.6	8.3	8.9	9.5	9.9	10.3	10.6
5.93	4 × 12	4a	5.1	5.8	6.4	7.3	7.8	8.2	8.4	8.7	8.9	9.0
4.19	6 × 12	4b	4.7	5.4	5.8	6.2	6.4	6.7	6.8	7.0	7.2	7.4
6.61	6 × 6	4c	4.7	5.4	5.8	6.2	6.4	6.7	6.8	7.0	7.2	7.4
9.91	4 × 4	4d	5.1	5.8	6.4	7.3	7.8	8.2	8.4	8.7	8.9	9.0
6.48	3 × 12	5	5.2	5.9	6.6	7.4	8.0	8.4	8.7	9.1	9.4	9.7
5.10	4 × 12	5a	4.9	5.7	6.3	6.9	7.2	7.5	7.7	7.9	8.1	8.2
3.73	6 × 12	5b	4.5	4.9	5.3	5.6	5.8	6.1	6.3	6.5	6.7	6.8
6.41	6 × 6	5c	4.5	4.9	5.3	5.6	5.8	6.1	6.3	6.5	6.7	6.8
8.26	4 × 4	5d	4.9	5.7	6.3	6.9	7.2	7.5	7.7	7.9	8.1	8.2
8.13	2 × 12	6	5.3	6.3	7.0	7.7	8.4	9.1	9.7	10.3	10.7	11.1
5.75	3 × 12	6a	5.0	5.8	6.6	7.2	7.7	8.0	8.2	8.4	8.6	8.8
4.55	4 × 12	6b	4.8	5.5	6.1	6.4	6.6	6.8	7.1	7.3	7.5	7.7
2.87	6 × 12	6c	4.2	4.6	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4
4.77	6 × 6	6d	4.2	4.6	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4
7.16	4 × 4	6e	4.8	5.5	6.1	6.4	6.6	6.8	7.1	7.3	7.5	7.7
7.56	2 × 10	7	5.1	6.0	6.7	7.4	8.0	8.3	8.9	9.2	9.6	9.7
5.35	3 × 10	7a	4.8	5.5	6.2	6.6	6.9	7.2	7.5	7.6	7.7	7.9
4.24	4 × 10	7b	4.6	5.0	5.4	5.8	6.0	6.2	6.3	6.5	6.7	6.8
3.14	6 × 10	7c		4.0	4.3	4.6	4.8	5.0	5.2	5.3	5.5	5.7
3.79	6 × 6	7d		4.0	4.3	4.6	4.8	5.0	5.2	5.3	5.5	5.7
5.69	4 × 4	7e	4.6	5.0	5.4	5.8	6.0	6.2	6.3	6.5	6.7	6.8
7.59	3 × 3	7f	4.8	5.5	6.2	6.6	6.9	7.2	7.5	7.6	7.7	7.9

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 224 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	5.1	5.8	6.6	7.1	7.7	8.0	8.2	8.5	8.7	8.8
4.64	3 × 10	8a	4.7	5.3	5.8	6.1	6.3	6.5	6.7	6.9	7.1	7.3
3.71	4 × 10	8b	4.2	4.6	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4
2.69	6 × 10	8c			4.0	4.2	4.4	4.6	4.8	4.9	5.1	5.2
3.18	6 × 6	8d			4.0	4.2	4.4	4.6	4.8	4.9	5.1	5.2
4.77	4 × 4	8e	4.2	4.6	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4
6.36	3 × 3	8f	4.7	5.3	5.8	6.1	6.3	6.5	6.7	6.9	7.1	7.3
5.27	2 × 10	9	5.0	5.6	6.3	6.7	7.1	7.2	7.4	7.6	7.8	8.0
3.78	3 × 10	9a	4.4	4.7	5.1	5.4	5.7	5.8	6.0	6.2	6.4	6.6
3.03	4 × 10	9b		4.1	4.4	4.7	4.9	5.1	5.2	5.4	5.5	5.7
2.28	6 × 10	9c					4.0	4.1	4.2	4.3	4.5	4.7
2.57	6 × 6	9d					4.0	4.1	4.2	4.3	4.5	4.7
3.85	4 × 4	9e		4.1	4.4	4.7	4.9	5.1	5.2	5.4	5.5	5.7
5.13	3 × 3	9f	4.4	4.7	5.1	5.4	5.7	5.8	6.0	6.2	6.4	6.6
7.70	2 × 2	9g	5.0	5.6	6.3	6.7	7.1	7.2	7.4	7.6	7.8	8.0
4.19	2 × 10	10	4.6	5.0	5.4	5.8	6.0	6.3	6.5	6.7	6.9	7.0
3.05	3 × 10	10a	3.8	4.2	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.8
2.49	4 × 10	10b				4.1	4.3	4.5	4.6	4.7	4.8	4.9
1.92	6 × 10	10c									4.0	4.1
1.94	6 × 6	10d									4.0	4.1
2.92	4 × 4	10e				4.1	4.3	4.5	4.6	4.7	4.8	4.9
3.89	3 × 3	10f	3.8	4.2	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.8
5.83	2 × 2	10g	4.6	5.0	5.4	5.8	6.0	6.3	6.5	6.7	6.9	7.0
3.74	2 × 8	11	4.2	4.6	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4
2.68	3 × 8	11a			4.0	4.2	4.4	4.6	4.8	4.9	5.1	5.2
2.15	4 × 8	11b						4.0	4.1	4.2	4.3	4.4
1.63	6 × 8	11c										
1.58	6 × 6	11d										
2.38	4 × 4	11e						4.0	4.1	4.2	4.3	4.4
3.17	3 × 3	11f			4.0	4.2	4.4	4.6	4.8	4.9	5.1	5.2
4.75	2 × 2	11g	4.2	4.6	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4
3.26	2 × 8	12		4.2	4.5	4.8	5.0	5.2	5.3	5.4	5.6	5.8
2.37	3 × 8	12a				4.0	4.1	4.3	4.4	4.5	4.5	4.6
1.91	4 × 8	12b									4.0	4.1
1.47	6 × 8	12c										
1.35	6 × 6	12d										
2.02	4 × 4	12e									4.0	4.1
2.69	3 × 3	12f				4.0	4.1	4.3	4.4	4.5	4.5	4.6
2.96	2 × 2	12g		4.2	4.5	4.8	5.0	5.2	5.3	5.4	5.6	5.8

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 250 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	5.5	6.3	7.1	7.9	8.7	9.4	10.1	10.7	11.4	12.0
9.85	4 × 12	1a	5.0	6.0	6.8	7.5	8.3	9.0	9.6	10.2	10.7	11.3
7.11	6 × 12	1b	4.9	5.6	6.3	7.0	7.7	8.3	8.6	8.8	9.0	9.2
11.0	6 × 6	1c	4.9	5.6	6.3	7.0	7.7	8.3	8.6	8.8	9.0	9.2
10.9	3 × 6	2	5.4	6.2	7.0	7.7	8.4	9.1	9.8	10.4	11.0	11.6
8.57	4 × 12	2a	5.1	5.8	6.6	7.4	8.1	8.7	9.3	9.8	10.1	10.4
6.24	6 × 12	2b	4.8	5.5	6.2	6.8	7.3	7.6	7.8	8.0	8.3	8.6
9.31	6 × 6	2c	4.8	5.5	6.2	6.8	7.3	7.6	7.8	8.0	8.3	8.6
9.94	3 × 6	3	5.2	6.0	6.7	7.5	8.2	9.0	9.6	10.1	10.6	11.0
7.85	4 × 12	3a	4.9	5.7	6.4	7.1	7.8	8.4	8.7	8.9	9.2	9.5
5.76	6 × 12	3b	4.6	5.3	6.0	6.3	6.6	6.8	7.1	7.3	7.5	7.8
8.57	6 × 6	3c	4.6	5.3	6.0	6.3	6.6	6.8	7.1	7.3	7.5	7.8
7.58	3 × 12	4	5.0	5.8	6.6	7.3	8.0	8.6	9.2	9.6	9.9	10.3
5.93	4 × 12	4a	4.8	5.6	6.2	7.0	7.6	7.8	8.0	8.3	8.5	8.8
4.19	6 × 12	4b	4.5	5.2	5.6	5.9	6.1	6.4	6.6	6.8	7.0	7.2
6.61	6 × 6	4c	4.7	5.2	5.6	5.9	6.1	6.4	6.6	6.8	7.0	7.2
9.91	4 × 4	4d	4.8	5.6	6.2	7.0	7.6	7.8	8.0	8.3	8.5	8.8
6.48	3 × 12	5	4.9	5.6	6.3	7.0	7.7	8.3	8.6	8.8	9.0	9.2
5.10	4 × 12	5a	4.6	5.4	6.1	6.6	6.9	7.2	7.4	7.6	7.8	8.0
3.73	6 × 12	5b	4.3	4.7	5.1	5.4	5.6	5.8	6.0	6.2	6.4	6.6
6.41	6 × 6	5c	4.3	4.7	5.1	5.4	5.6	5.8	6.0	6.2	6.4	6.6
8.26	4 × 4	5d	4.6	5.4	6.1	6.6	6.9	7.2	7.4	7.6	7.8	8.0
8.13	2 × 12	6	5.1	6.0	6.7	7.4	8.2	8.7	9.3	9.8	10.3	10.7
5.75	3 × 12	6a	4.8	5.5	6.3	6.9	7.3	7.7	7.9	8.1	8.4	8.6
4.55	4 × 12	6b	4.5	5.2	5.8	6.1	6.4	6.6	6.8	7.0	7.2	7.4
2.87	6 × 12	6c	4.0	4.4	4.7	5.0	5.2	5.4	5.6	5.8	5.9	6.1
4.77	6 × 6	6d	4.0	4.4	4.7	5.0	5.2	5.4	5.6	5.8	5.9	6.1
7.16	4 × 4	6e	4.5	5.2	5.8	6.1	6.4	6.6	6.8	7.0	7.2	7.4
7.56	2 × 10	7	4.9	5.6	6.4	7.1	7.8	8.0	8.4	8.8	9.2	9.4
5.35	3 × 10	7a	4.6	5.3	6.0	6.4	6.6	6.8	7.0	7.2	7.4	7.7
4.24	4 × 10	7b	4.4	4.8	5.2	5.5	5.7	5.9	6.1	6.3	6.5	6.7
3.14	6 × 10	7c			4.2	4.5	4.7	4.9	5.0	5.1	5.2	5.4
3.79	6 × 6	7d			4.2	4.5	4.7	4.9	5.0	5.1	5.2	5.4
5.69	4 × 4	7e	4.4	4.8	5.2	5.5	5.7	5.9	6.1	6.3	6.5	6.7
7.59	3 × 3	7f	4.6	5.3	6.0	6.4	6.6	6.8	7.0	7.2	7.4	7.7

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports *see* tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 250 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	4.8	5.5	6.3	6.8	7.3	7.6	7.9	8.1	8.4	8.6
4.64	3 × 10	8a	4.5	5.0	5.5	5.8	6.0	6.2	6.4	6.6	6.9	7.1
3.71	4 × 10	8b	4.0	4.4	4.7	5.0	5.2	5.4	5.6	5.8	5.9	6.1
2.69	6 × 10	8c				4.1	4.2	4.4	4.6	4.7	4.8	6.0
3.18	6 × 6	8d				4.1	4.2	4.4	4.6	4.7	4.8	6.0
4.77	4 × 4	8e	4.0	4.4	4.7	5.0	5.2	5.4	5.6	5.8	5.9	6.1
6.36	3 × 3	8f	4.5	5.0	5.5	5.8	6.0	6.2	6.4	6.6	6.9	7.1
5.27	2 × 10	9	4.6	5.3	6.0	6.3	6.6	6.8	7.1	7.3	7.5	7.8
3.78	3 × 10	9a	4.2	4.6	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.3
3.03	4 × 10	9b			4.2	4.5	4.7	4.9	5.0	5.2	5.3	5.5
2.28	6 × 10	9c							4.0	4.1	4.3	4.5
2.57	6 × 6	9d							4.0	4.1	4.3	4.5
3.85	4 × 4	9e			4.2	4.5	4.7	4.9	5.0	5.2	5.3	5.5
5.13	3 × 3	9f	4.2	4.6	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.3
7.70	2 × 2	9g	4.6	5.3	6.0	6.3	6.6	6.8	7.1	7.3	7.5	7.8
4.19	2 × 10	10	4.4	4.8	5.2	5.5	5.8	6.0	6.2	6.4	6.6	6.8
3.05	3 × 10	10a		4.1	4.3	4.5	4.7	4.9	5.1	5.2	5.4	5.6
2.49	4 × 10	10b					4.1	4.3	4.4	4.5	4.6	4.8
1.92	6 × 10	10c										4.0
1.94	6 × 6	10d										4.0
2.92	4 × 4	10e					4.1	4.3	4.4	4.5	4.6	4.8
3.89	3 × 3	10f		4.1	4.3	4.5	4.7	4.9	5.1	5.2	5.4	5.6
5.83	2 × 2	10g	4.4	4.8	5.2	5.5	5.8	6.0	6.2	6.4	6.6	6.8
3.74	2 × 8	11	4.0	4.4	4.7	5.0	5.2	5.4	5.6	5.8	5.9	6.1
2.68	3 × 8	11a				4.1	4.2	4.4	4.6	4.7	4.8	6.0
2.15	4 × 8	11b							4.0	4.1	4.2	4.3
1.63	6 × 8	11c										
1.58	6 × 6	11d										
2.38	4 × 4	11e							4.0	4.1	4.2	4.3
3.17	3 × 3	11f				4.1	4.2	4.4	4.6	4.7	4.8	6.0
4.75	2 × 2	11g	4.0	4.4	4.7	5.0	5.2	5.4	5.6	5.8	5.9	6.1
3.26	2 × 8	12		4.0	4.3	4.6	4.8	5.0	5.1	5.2	5.4	5.6
2.37	3 × 8	12a					4.0	4.2	4.3	4.3	4.4	4.4
1.91	4 × 8	12b										4.0
1.47	6 × 8	12c										
1.35	6 × 6	12d										
2.02	4 × 4	12e										4.0
2.69	3 × 3	12f					4.0	4.2	4.3	4.3	4.4	4.4
2.96	2 × 2	12g		4.0	4.3	4.6	4.8	5.0	5.1	5.2	5.4	5.6

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 300 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	5.1	5.8	6.6	7.2	8.0	8.7	9.3	10.0	10.6	11.2
9.85	4 × 12	1a	4.6	5.5	6.3	7.0	7.7	8.3	8.9	9.5	10.0	10.5
7.11	6 × 12	1b	4.5	5.2	5.9	6.6	7.2	7.7	7.9	8.2	8.4	8.6
11.0	6 × 6	1c	4.5	5.2	5.9	6.6	7.2	7.7	7.9	8.2	8.4	8.6
10.9	3 × 6	2	5.0	5.7	6.4	7.1	7.8	8.5	9.1	9.7	10.3	10.8
8.57	4 × 12	2a	4.7	5.4	6.3	6.8	7.3	8.0	8.6	9.1	9.4	9.7
6.24	6 × 12	2b	4.4	5.1	5.7	6.4	6.7	7.0	7.2	7.5	7.8	8.0
9.31	6 × 6	2c	4.4	5.1	5.7	6.4	6.7	7.0	7.2	7.5	7.8	8.0
9.94	3 × 6	3	4.8	5.5	6.2	6.9	7.6	8.3	8.9	9.4	9.9	10.2
7.85	4 × 12	3a	4.5	5.2	5.9	6.6	7.2	7.8	8.1	8.3	8.6	8.9
5.76	6 × 12	3b	4.3	4.9	5.6	5.9	6.1	6.3	6.6	6.8	7.0	7.2
8.57	6 × 6	3c	4.3	4.9	5.6	5.9	6.1	6.3	6.6	6.8	7.0	7.2
7.58	3 × 12	4	4.7	5.4	6.1	6.8	7.4	7.7	8.5	9.0	9.2	9.5
5.93	4 × 12	4a	4.5	5.1	5.7	6.4	7.0	7.3	7.5	7.7	8.0	8.2
4.19	6 × 12	4b	4.1	4.7	5.2	5.4	5.7	6.0	6.2	6.4	6.5	6.7
6.61	6 × 6	4c	4.1	4.7	5.2	5.4	5.7	6.0	6.2	6.4	6.5	6.7
9.91	4 × 4	4d	4.5	5.1	5.7	6.4	7.0	7.3	7.5	7.7	8.0	8.2
6.48	3 × 12	5	4.5	5.2	5.9	6.6	7.2	7.7	7.9	8.2	8.4	8.6
5.10	4 × 12	5a	4.3	5.0	5.6	6.1	6.4	6.7	6.8	7.0	7.2	7.4
3.73	6 × 12	5b	4.0	4.4	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.1
6.41	6 × 6	5c	4.0	4.4	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.1
8.26	4 × 4	5d	4.3	5.0	5.6	6.1	6.4	6.7	6.8	7.0	7.2	7.4
8.13	2 × 12	6	4.7	5.6	6.2	6.8	7.5	8.1	8.7	9.2	9.6	10.0
5.75	3 × 12	6a	4.4	5.1	5.8	6.4	6.8	7.2	7.4	7.6	7.8	8.1
4.55	4 × 12	6b	4.2	4.8	5.4	5.6	5.8	6.0	6.3	6.5	6.8	7.0
2.87	6 × 12	6c		4.0	4.3	4.6	4.8	5.0	5.2	5.4	5.5	5.7
4.77	6 × 6	6d		4.0	4.3	4.6	4.8	5.0	5.2	5.4	5.5	5.7
7.16	4 × 4	6e	4.2	4.8	5.4	5.6	5.8	6.0	6.3	6.5	6.8	7.0
7.56	2 × 10	7	4.5	5.2	5.9	6.5	7.1	7.4	7.9	8.2	8.6	8.8
5.35	3 × 10	7a	4.3	4.9	5.5	5.9	6.1	6.4	6.6	6.8	7.0	7.2
4.24	4 × 10	7b	4.0	4.4	4.9	5.1	5.3	5.5	5.6	5.8	6.0	6.2
3.14	6 × 10	7c				4.1	4.3	4.5	4.7	4.8	4.9	5.1
3.79	6 × 6	7d				4.1	4.3	4.5	4.7	4.8	4.9	5.1
5.69	4 × 4	7e	4.0	4.4	4.9	5.1	5.3	5.5	5.6	5.8	6.0	6.2
7.59	3 × 3	7f	4.3	4.9	5.5	5.9	6.1	6.4	6.6	6.8	7.0	7.2

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Uniformly Distributed Load = 300 lbs. per sq. foot.

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Permissible spans in feet.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	4.4	5.1	5.8	6.3	6.8	7.2	7.4	7.6	7.8	8.0
4.64	3 × 10	8a	4.1	4.7	5.1	5.4	5.6	5.8	6.0	6.2	6.4	6.6
3.71	4 × 10	8b		4.0	4.3	4.6	4.8	5.0	5.2	5.4	5.5	5.7
2.69	6 × 10	8c						4.1	4.2	4.4	4.5	4.7
3.18	6 × 6	8d						4.1	4.2	4.4	4.5	4.7
4.77	4 × 4	8e		4.0	4.3	4.6	4.8	5.0	5.2	5.4	5.5	5.7
6.36	3 × 3	8f	4.1	4.7	5.1	5.4	5.6	5.8	6.0	6.2	6.4	6.6
5.27	2 × 10	9	4.3	4.9	5.6	5.9	6.1	6.3	6.6	6.8	7.0	7.2
3.78	3 × 10	9a		4.2	4.5	4.8	5.0	5.2	5.4	5.6	5.8	5.9
3.03	4 × 10	9b			4.0	4.2	4.4	4.5	4.6	4.8	5.0	5.1
2.28	6 × 10	9c									4.1	4.2
2.57	6 × 6	9d									4.1	4.2
3.85	4 × 4	9e			4.0	4.2	4.4	4.5	4.6	4.8	5.0	5.1
5.13	3 × 3	9f		4.2	4.5	4.8	5.0	5.2	5.4	5.6	5.8	5.9
7.70	2 × 2	9g	4.3	4.9	5.6	5.9	6.1	6.3	6.6	6.8	7.0	7.2
4.19	2 × 10	10	4.1	4.5	4.9	5.1	5.3	5.5	5.8	6.0	6.1	6.3
3.05	3 × 10	10a			4.0	4.2	4.4	4.6	4.7	4.8	5.0	5.2
2.49	4 × 10	10b										
1.92	6 × 10	10c										
1.94	6 × 6	10d										
2.92	4 × 4	10e										
3.89	3 × 3	10f			4.0	4.2	4.4	4.6	4.7	4.8	5.0	5.2
5.83	2 × 2	10g	4.1	4.5	4.9	5.1	5.3	5.6	5.8	6.0	6.1	6.3
3.74	2 × 8	11		4.0	4.3	4.6	4.8	5.0	5.2	5.4	5.5	5.7
2.68	3 × 8	11a						4.1	4.2	4.4	4.5	4.7
2.15	4 × 8	11b										4.0
1.63	6 × 8	11c										
1.58	6 × 6	11d										
2.38	4 × 4	11e										4.0
3.17	3 × 3	11f						4.1	4.2	4.4	4.5	4.7
4.75	2 × 2	11g		4.0	4.3	4.6	4.8	5.0	5.2	5.4	5.5	5.7
3.26	2 × 8	12			4.0	4.2	4.4	4.6	4.7	4.9	5.0	5.2
2.37	3 × 8	12a							4.0	4.0	4.1	4.2
1.91	4 × 8	12b										
1.47	6 × 8	12c										
1.35	6 × 6	12d										
2.02	4 × 4	12e										
2.69	3 × 3	12f							4.0	4.0	4.1	4.2
2.96	2 × 2	12g			4.0	4.2	4.4	4.6	4.7	4.9	5.0	5.2

NOTE. The weight of floor has been allowed for in the above figures. The above values are for continuous or fixed spans with uniformly distributed loads; for other methods of loading and supports see tables on page 25.

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Bending Moments in Milal-inches (thousands of pounds-inches) **per foot width.**

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Max. Permissible B.M.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
12.6	3 × 6	1	8.67	11.40	15.15	18.90	23.10	27.60	32.30	37.60	43.10	48.80
9.85	4 × 12	1a	7.90	10.70	13.80	17.20	21.15	25.20	29.40	33.95	38.60	43.20
7.11	6 × 12	1b	6.90	9.37	12.10	15.20	18.40	21.50	22.70	25.25	27.40	31.80
11.0	6 × 6	1c	6.90	9.37	12.10	15.20	18.40	21.50	22.70	25.25	27.40	31.80
10.9	3 × 6	2	8.25	11.08	14.35	17.90	21.90	26.20	30.50	35.45	40.60	45.60
8.57	4 × 12	2a	7.45	10.13	13.65	16.40	20.00	23.80	27.60	31.35	33.80	36.80
6.24	6 × 12	2b	6.50	8.90	11.42	14.30	16.40	18.90	19.40	21.20	23.30	24.10
9.31	6 × 6	2c	6.50	8.90	11.42	14.30	16.40	18.90	19.40	21.20	23.30	24.10
9.94	3 × 6	3	7.70	10.47	13.48	16.90	20.70	24.60	28.90	33.10	37.30	40.90
7.85	4 × 12	3a	7.00	9.50	12.29	15.40	18.75	22.10	24.00	26.18	28.63	30.85
5.76	6 × 12	3b	6.10	8.24	10.60	12.25	13.50	15.30	16.00	17.30	18.78	20.50
8.57	6 × 6	3c	6.10	8.24	10.60	12.25	13.50	15.30	16.00	17.30	18.78	20.50
7.58	3 × 12	4	7.30	9.90	12.82	16.20	19.60	23.30	26.90	31.00	32.70	35.30
5.93	4 × 12	4a	6.63	9.00	11.68	14.70	17.50	19.50	20.90	22.70	24.35	26.20
4.19	6 × 12	4b	5.68	7.80	9.22	10.50	11.60	13.00	13.80	15.50	16.35	17.60
6.61	6 × 6	4c	5.68	7.80	9.22	10.50	11.60	13.00	13.80	15.50	16.35	17.60
9.91	4 × 4	4d	6.63	9.00	11.68	14.70	17.50	19.50	20.90	22.70	24.35	26.20
6.48	3 × 12	5	6.90	9.37	12.10	15.20	18.40	21.50	22.70	25.25	27.40	31.80
5.10	4 × 12	5a	6.28	8.48	10.91	13.20	14.50	16.25	17.25	18.60	20.30	21.80
3.73	6 × 12	5b	5.35	6.50	7.67	8.70	9.65	10.90	11.70	12.65	13.70	14.72
6.41	6 × 6	5c	5.35	6.50	7.67	8.70	9.65	10.90	11.70	12.65	13.70	14.72
8.26	4 × 4	5d	6.28	8.48	10.91	13.20	14.50	16.25	17.25	18.60	20.30	21.80
8.13	2 × 12	6	7.43	10.06	13.16	16.50	20.40	24.00	27.58	31.80	35.30	35.95
5.75	3 × 12	6a	6.60	8.90	11.50	14.40	16.75	18.80	20.85	22.60	23.58	25.30
4.55	4 × 12	6b	5.87	8.02	10.00	11.30	12.50	14.20	14.88	15.98	17.58	18.97
2.87	6 × 12	6c	4.62	5.60	6.60	7.60	8.50	9.50	10.42	10.80	11.79	12.60
4.77	6 × 6	6d	4.62	5.60	6.60	7.60	8.50	9.50	10.42	10.80	11.79	12.60
7.16	4 × 4	6e	5.87	8.02	10.00	11.30	12.50	14.20	14.88	15.98	17.58	18.97
7.56	2 × 10	7	6.88	9.45	12.20	15.04	18.50	20.60	23.60	25.70	28.40	30.00
5.35	3 × 10	7a	6.05	8.20	10.50	12.20	13.40	15.10	16.15	17.05	18.50	20.00
4.24	4 × 10	7b	5.42	6.70	8.00	9.20	10.00	11.20	11.79	12.85	14.20	15.00
3.14	6 × 10	7c	3.67	4.40	5.30	6.00	6.70	7.40	8.10	8.52	9.25	10.00
3.79	6 × 6	7d	3.67	4.40	5.30	6.00	6.70	7.40	8.10	8.52	9.25	10.00
5.69	4 × 4	7e	5.42	6.70	8.00	9.20	10.00	11.20	11.79	12.85	14.20	15.00
7.59	3 × 3	7f	6.05	8.20	10.50	12.20	13.40	15.10	16.15	17.05	18.50	20.00

FLOOR SLABS

Reinforced with

B. & T. Reinforcement Fabric.

Bending Moments in Milal-inches (thousands of pounds-inches) **per foot width.**

Weight of Fabric per Yard Super in lbs.	Mesh in Inches.	Fabric No.	Max. Permissible B.M.									
			Thickness of Concrete in inches.									
			3	3½	4	4½	5	5½	6	6½	7	7½
6.49	2 × 10	8	6.60	8.90	11.53	14.40	16.75	18.80	19.95	21.60	23.35	25.00
4.64	3 × 10	8a	5.68	7.46	9.00	10.20	11.20	12.60	13.42	14.43	15.72	17.05
3.71	4 × 10	8b	4.62	5.60	6.60	7.60	8.50	9.50	10.42	10.80	11.79	12.60
2.69	6 × 10	8c	3.05	3.70	4.45	5.10	5.50	6.40	6.71	7.22	7.86	8.52
3.18	6 × 6	8d	3.05	3.70	4.45	5.10	5.50	6.40	6.71	7.22	7.86	8.52
4.77	4 × 4	8e	4.62	5.60	6.60	7.60	8.50	9.50	10.42	10.80	11.79	12.60
6.36	3 × 3	8f	5.68	7.46	9.00	10.20	11.20	12.60	13.42	14.43	15.72	17.05
5.27	2 × 10	9	6.10	8.24	10.60	12.25	13.50	15.30	16.00	17.30	18.78	20.50
3.78	3 × 10	9a	5.00	6.09	7.25	8.20	9.20	10.20	10.52	11.65	12.67	13.65
3.03	4 × 10	9b	3.69	4.43	5.40	6.10	6.80	7.40	7.99	8.64	9.42	10.30
2.28	6 × 10	9c	2.46	3.00	3.60	4.20	4.50	5.10	5.26	5.82	6.34	6.82
2.57	6 × 6	9d	2.46	3.00	3.60	4.20	4.50	5.10	5.26	5.82	6.34	6.82
3.85	4 × 4	9e	3.69	4.43	5.40	6.10	6.80	7.40	7.99	8.64	9.42	10.30
5.13	3 × 3	9f	5.00	6.09	7.25	8.20	9.20	10.20	10.52	11.65	12.67	13.65
7.70	2 × 2	9g	6.10	8.24	10.60	12.25	13.50	15.30	16.00	17.30	18.78	20.50
4.19	2 × 10	10	5.50	6.90	8.20	9.20	10.20	11.50	12.34	13.38	14.45	15.60
3.05	3 × 10	10a	3.80	4.60	5.50	6.20	6.90	7.90	8.45	8.72	9.64	10.60
2.49	4 × 10	10b	2.82	3.50	4.15	4.60	5.30	6.00	6.17	6.69	7.22	7.80
1.92	6 × 10	10c	1.93	2.30	2.80	3.20	3.40	3.60	3.99	4.36	4.82	5.30
1.94	6 × 6	10d	1.93	2.30	2.80	3.20	3.40	3.60	3.99	4.36	4.82	5.30
2.92	4 × 4	10e	2.82	3.50	4.15	4.60	5.30	6.00	6.17	6.69	7.22	7.80
3.89	3 × 3	10f	3.80	4.60	5.50	6.20	6.90	7.90	8.45	8.72	9.64	10.60
5.83	2 × 2	10g	5.50	6.90	8.20	9.20	10.20	11.50	12.34	13.38	14.45	15.60
3.74	2 × 8	11	4.62	5.60	6.60	7.60	8.50	9.50	10.42	10.80	11.79	12.60
2.68	3 × 8	11a	3.05	3.70	4.45	5.10	5.50	6.40	6.71	7.22	7.86	8.52
2.15	4 × 8	11b	2.18	2.80	3.40	3.90	4.20	4.80	4.99	5.45	5.87	6.17
1.63	6 × 8	11c	1.55	1.95	2.10	2.60	2.80	3.00	3.26	3.57	4.00	4.12
1.58	6 × 6	11d	1.55	1.95	2.10	2.60	2.80	3.00	3.26	3.57	4.00	4.12
2.38	4 × 4	11e	2.18	2.80	3.40	3.90	4.20	4.80	4.99	5.45	5.87	6.17
3.17	3 × 3	11f	3.05	3.70	4.45	5.10	5.50	6.40	6.71	7.22	7.86	8.52
4.75	2 × 2	11g	4.62	5.60	6.60	7.60	8.50	9.50	10.42	10.80	11.79	12.60
3.26	2 × 8	12	3.90	4.70	5.65	6.30	7.00	7.80	8.35	8.85	9.85	10.58
2.37	3 × 8	12a	2.65	3.15	3.80	4.40	4.80	5.40	5.88	6.05	6.34	6.77
1.91	4 × 8	12b	2.00	2.35	3.00	3.30	3.50	3.70	4.17	4.42	4.92	5.29
1.47	6 × 8	12c	1.38	1.60	2.00	2.30	2.50	2.70	2.94	3.02	3.17	3.38
1.35	6 × 6	12d	1.38	1.60	2.00	2.30	2.50	2.70	2.94	3.02	3.17	3.38
2.02	4 × 4	12e	2.00	2.35	3.00	3.30	3.50	3.70	4.17	4.42	4.92	5.29
2.69	3 × 3	12f	2.65	3.15	3.80	4.40	4.80	5.40	5.88	6.05	6.34	6.77
2.96	2 × 2	12g	3.90	4.70	5.65	6.30	7.00	7.80	8.35	8.85	9.85	10.58

